A.D.M.A Convention Report Starts on Page 35

Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 137
Number 20

May 13, 1940

GELATIN

Keystone Brand Silver Label

Manufactured for the past 50 years in our Detroit plant. Paper wrapped in one pound packages—25 pounds to the carton. All other grades of gelatin available for prompt shipments.

"AA QUALITY" CHEMICAL PRODUCTS

Monocalcium Phosphate	Ammonium Carbonate	Sulphuric Acid
Dicalcium Phosphate	Bone Black Pigments	Gelatin
Disodium Phosphate	Sodium Silicofluoride	Phosphorus
Trisodium Phosphate	Sod. Acid Pyro Phosphate	Phosphoric Acid

The AMERICAN AGRICULTURAL CHEMICAL Co.
P. O. Box 2458 — Detroit, Mich.
33 Offices in Principal Cities in U. S., Cuba and Canada

BROMINE

BROMIDES

RECEIVED MAY 10 1940 LIBRARY THE CHEMISTS CLUB

PRIOR CHEMICAL CORPORATION - NEW YORK
420 LEXINGTON AVENUE
Chicago Office: 230 N. Michigan Ave.

Sole Selling Agents for

Great Lakes Chemical Corporation
Filer City, Mich.

Established 1880

WM. S. GRAY & CO.
342 MADISON AVENUE
NEW YORK

Cable Address: Graylime
Phone: MUrray Hill 2-3101

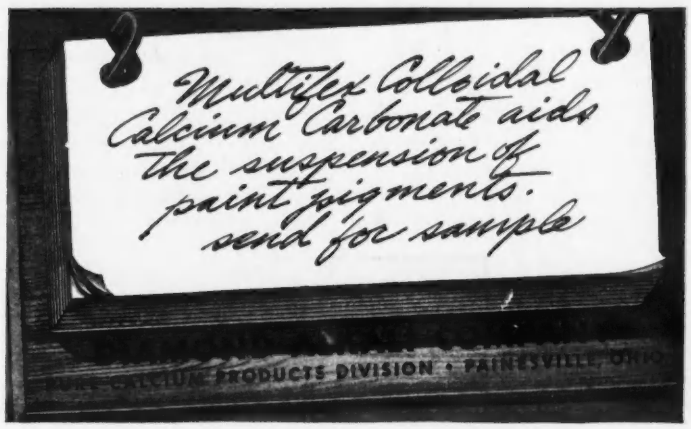
Manufacturers' Agents

Acetic Acid

ALL GRADES

TANK CARS BARRELS

INQUIRIES SOLICITED


Multiflex Colloidal Calcium Carbonate aids the suspension of paint pigments. send for sample
CALCIUM PRODUCTS DIVISION • PAINESVILLE, OHIO

Baker's fine chemicals

Unique control methods assure Baker customers of chemicals to specification. Write for free testing samples.

J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.

NEW YORK 420 Lexington Avenue
PHILADELPHIA 220 South 16th Street
CHICAGO 435 North Michigan Avenue

20

Guaranteed 99½% to 100% Pure

BORAX

BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »
» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate »

Samples on request

PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York

CHICAGO ILLINOIS

these High-Boiling Ketones { ACETONYL ACETONE / DIISOBUTYL KETONE / ISOPHORONE

now available

at Attractive PRICES

Continued research has made these new, high-boiling ketones available in commercial quantities at much lower prices. They are excellent solvents for the cellulose esters, "Vinylite" resins, and a host of other natural and synthetic resins; as well as intermediates for preparing other useful compounds. General data on each ketone is given below . . . further information will gladly be sent without obligation upon your request.

ACETONYL ACETONE

. . . a light colored liquid which boils at 191.4°C. . . . is a good solvent for cellulose acetate. Even when present to the extent of a small percentage it reduces the viscosity of nitrocellulose and "Vinylite" resin solutions—an important factor in roll-coating inks. Being a 1,4-diketone, it condenses with reagents to form ring compounds which are derivatives of furan, thiophene, and pyrrole. It has been found to have a definite tanning effect on hides and skins.

DIISOBUTYL KETONE

. . . a colorless liquid which is miscible with most organic liquids . . . boils at 168.1°C. Its excellent solvent power for rubber, nitrocellulose, and synthetic resins makes it a promising material for protective coatings where a stable, slow-evaporating solvent is desired. By condensing it with compounds, it is possible to obtain novel inhibitors, rubber accelerators, dyes, insecticides, and certain pharmaceuticals.

ISOPHORONE

. . . a cyclic ketone . . . is a stable, high-boiling (215.2°C.) liquid miscible with usual lacquer materials. It has the highest nitrocellulose dilution ratios—5.7 for toluene and 5.1 for xylene—of all solvents with an equivalent evaporation rate. It is also the most powerful solvent for "Vinylite" resins, making possible the preparation of solutions of high solids content without gelling. Isophorone is valuable in the formulation of novel and improved inks, stencil pastes, and roll-coating finishes based on these resins. It is also a suitable material for making derivatives since it contains both a ketone group and a double bond.

For information concerning the use of these ketones, address:

CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

30 East 42nd Street UCC New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

The word "Vinylite" is a registered trade-mark of Carbide and Carbon Chemicals Corporation.

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulations

Volume 137 | May 13, 1940 | Number 20

MAY 13 1940 LIBRARY

F.D.A. Transfer Disapproved by House

OPD Washington Bureau
May 8, 1940

Transfer of the Food and Drug Administration from the Department of Agriculture to the Federal Security Agency appeared improbable today as the house, by a vote of 232 to 153 adopted the Lea resolution disapproving of President Roosevelt's reorganization plan which involves both this transfer and the transfer of the Civil Aeronautics Administration to the Department of Commerce.

At the same time the senate reorganization committee decided to hold hearings May 9-10 on the resolution. Senate approval of the Lea resolution is necessary to prevent the plan from going into effect, but the size of the house vote suggests that a majority of the senate may vote for the disapproval resolution.

During debate in the house there was scarcely mention of the Food and Drug Administration or other changes involved in the reorganization order, as practically all the discussion related to the C.A.A. One member, however, Representative Oscar Youngdahl, Minnesota, defended the Food and Drug Administration. After declaring that the C.A.A. was being demoted because it had done an efficient job, Mr. Youngdahl said:—

The proposed transfer of the enforcement of the pure food, drug, and cosmetic act from the Department of Agriculture to the Social Security Agency, in my opinion, not only is ill-advised but follows much the same pattern as the other transfer—demotion because it has proven its efficiency.

The Department of Agriculture has administered the pure food, drug, and

—Continued on page 26

N.W.D.A. Second Lot Of Drug Labels Issued

The National Wholesale Druggists Association has released to its active members the second lot of specimen labels for chemicals, drugs and preparations. The labels are furnished for the wholesalers shipping products in interstate or intrastate commerce under recently revised relevant statutes.

It is believed that the labels are suitable for use under the new Federal food, drug, and cosmetic act, as well as those new State food, drug, and cosmetic acts similar thereto, and also the Federal caustic poison act and insecticide act, where these latter laws apply.

It is also stated by Dr. E. L. Newcomb, executive vice-president of the association, in a message accompanying the specimen labels, that several hundred additional labels are being prepared, and it is hoped to have them ready in the near future.

Labels for botanical drugs and essential oils are for the most part included in the remaining labels; as are a number for commonly and extensively used preparations on which full accord has not yet been reached, it is stated.

W.A. Ayres Reappointed To Federal Trade Group

OPD Washington Bureau
Thursday, May 9, 1940

The senate has unanimously confirmed the reappointment of William A. Ayres as a member of the Federal Trade Commission for a term of seven years, beginning September 26, 1940. President Roosevelt transmitted the nomination May 2. Mr. Ayres was first appointed by President Roosevelt June 30, 1934, to succeed Commissioner James M. Landis, who resigned to become a member of the Securities and Exchange Commission. He was Chairman of the Federal Trade Commission during 1937.

Alcohol License Fee Becomes Law in R.I.

Rhode Island has enacted a law imposing a special alcohol license fee of $100 "to manufacture, transport, import, export, deliver and sell alcohol for mechanical, manufacturing, medicinal or chemical purpose." The bill as approved April 27 also reenacted with slight change, section 1 of chapter 167 of the general laws of 1938, detailed in April 1 issue of the REPORTER, which section carried a tax of 5 cents per gallon on "ethyl alcohol to be used for non-beverage purposes."

Trademark Bill Reported Favorably by Committee

OPD Washington Bureau
May 6, 1940

A bill (H. R. 6618) to collect and revamp the existing trademark laws was favorably reported by the senate patent committee together with several amendments. The bill was passed by the house on July 17, 1939. If passed by the senate the bill must be discussed by conferees of both houses because of the inclusion of the Senate amendments.

The modifications from the house bill dealt with assignment and cancellation of trade marks. The committee decided that the marks shall be assignable "upon such terms and conditions as the parties may agree" and that once the prior use of the marks have been established their owner is entitled to their exclusive development within his local territory.

Besides describing the entire procedure of registering trade marks, the bill carries out the provisions of international conventions.

Soybean Standards Bill Is Passed by House

OPD Washington Bureau
May 6, 1940

The house today passed a bill (H. R. 7696), introduced by Rep. Everett M. Dirksen of Illinois, to place soybeans under the provisions of the grain standards act. Secretary of Agriculture Wallace advised passage of the bill because of the large increase in production and commerce of soybeans, declaring the sum of $42,475 will be needed to carry out the act.

Gasoline Price-Fixing Charges Upheld by U.S. Supreme Court

OPD Washington Bureau
May 6, 1940

The Supreme Court of the United States today sustained by a five to two decision the conviction of twelve major oil corporations and five individual officials of these companies for conspiracy to violate the Sherman antitrust act by conspiring to fix prices for gasoline throughout the Mid-western area by means of a buying pool to remove surplus gasoline from independent refineries.

The defendants were convicted in the Federal district court at Madison, Wis., after a lengthy and bitterly-fought trial, but the Circuit Court of Appeals for the Seventh Circuit set aside the conviction on numerous grounds and remanded the case to the district court for a new trial. Both the government and the oil companies appealed, but the supreme court disagreed with the circuit court on every one of the errors specified and ruled that the conviction should stand.

The decision, one of the longest in recent history was written by Justice Douglas and concurred in by four other members of the Court. Chief Justice Hughes and Justice Murphy did not participate, while Justice Roberts wrote a dissenting opinion, joined by Justice McReynolds, citing several reasons why he felt the conviction should be set aside. The decision is considered to be of the greatest importance, not only in the oil industry but also to all business practices.

The nub of the decision is that any cooperative activity which may have a tendency to restrain trade, reduce competition, or influence prices is illegal, even though undertaken with the purpose of stabilizing markets and eliminating competitive evils and even though it does not actually result in substantial fixing of prices.

In this case, commonly referred to as the Madison Oil case, the major companies operating in the Mid-Continent area organized a buying pool to absorb distress gasoline from independent refiners in order to stabilize the spot tankcar market. The plan was started with the knowledge, if not the formal approval, of government officials administering the petroleum code during the life of the National

—Continued on page 45

Teeter Marks 25 Years With Pfizer & Co.

In May of 1915, a man twenty-seven years old, graduate of the New York College of Pharmacy, Columbia University, and at that time manager of

Albert A. Teeter

one of the old Riker & Hegeman drug stores, strove grimly with iron pestle and mortar to blend mercury with chalk. Aching muscles protested the monotonous toil, a monotony that yielded the conviction that the retail drug business was no place for him. He began to read the Help Wanted advertisements for a job which, though in the drug and chemical field, would have nothing to do with pestle, mortar, spatula and the like. He found it. Answering an ad-

—Continued on page 46

McK.&R. Reorganization Planned for 1940

William J. Wardall, trustee of McKesson & Robbins, Inc., in a report mailed May 9 to creditors and stockholders, covering operations for 1939, disclosed that he was pressing negotiations for reorganization of the firm in the hope that a plan of reorganization could be filed "before the Summer vacation period." He stated that this would be necessary if a plan was to become effective by the close of 1940. The trustee's report brought out:—

That according to the consolidated balance sheet of December 31, 1939, there was an increase of $4,300,000 in net assets over the previous year, due largely to the accumulation of earnings and to the fact that no provision was made for interest in debentures in 1939.

That the consolidated deficit as at December 31, 1939, had been reduced to $5,135,613, from the $9,417,084 existing at the close of 1938.

That net profit for the year before debenture interest was $4,281,470, or more than twice the profit of 1938, although net sales increased only 1.4 percent. This was due primarily, he said, to a reduction in selling and general expenses of approximately $2,200,000.

That net profit for the first quarter of 1940, after reorganization expenses, was $963,186, compared to $638,565 in the previous year. This had the effect of further reducing the net deficit to $4,200,000 and increasing the equity for the common stock to approximately $2,200,000.

—Continued on page 26

Motor Carrier Regulations Applied to Private Trucks

OPD Washington Bureau
May 8, 1940

The Interstate Commerce Commission today issued an order applying to privately owned motor trucks used in interstate commerce the same regulations regarding qualifications and maximum hours of service of drivers and safety of operation and standards of equipment for vehicles as are now applicable to common and contract motor carriers, with a few exceptions.

The order was issued in ex parte No. MC-3, and the regulations become effective August 1, 1940. As directed by the motor carrier act of 1935, the commission held hearings on the relationship of private trucks to highway safety and reached the formal conclusion that there is need for federal regulation of private carriers of property.

During the hearings many private trucking interests attempted to show that there is no need for such regulation, that the motor carrier act does not give the ICC this power, and that truck regulation would be unconstitutional, but the Commission found that the need and the power exist. Since little evidence was introduced regarding the common and contract carrier regulations, the commission prescribed these for privately owned trucks with a few changes.

Special exemptions are given farm trucks in that trucks with a gross weight of less than 10,000 pounds may be operated by drivers between the ages of 18 and 21; farm truck drivers need not pass a physical examination, need not keep a driver's log, and may work more than 60 hours a week provided they are not driving more than 50 hours per week; and farm trucks may carry passengers if they are employees or members of the family of

—Continued on page 66

Closing Markets

London Closing Cable

LONDON, May 10, 1940

Carnauba wax, 420s. per hundredweight.

Caraway Oil High and Nominal

Caraway oil was advanced to $3.25 per pound, a purely nominal price at which it was scarcely possible to do business. Most sellers had withdrawn entirely. Because raw material for nutmeg and mace oils comes from areas under Dutch control, quotations on both items were higher and strictly nominal at $2.20 per pound.

Cottonseed Oil Up Sharply

Refined cottonseed oil futures were active and sharply higher, prices rising about 25 to 30 points on general buying, due to the war news from Europe. The lard and grain markets were up and offerings of cottonseed oil contracts were light. July closed at 7.13c. and September 7.23c.

Belgium Botanicals Nominal

Prices on botanicals obtained from Belgium and Holland became nominal Friday morning following invasion of those countries by Germany. Items affected were:—Roman chamomile, valerian root, doggrass and burdock roots, belladonna and henbane leaves, caraway and poppy seeds.

Straits Tin Higher

War developments brought a sharp advance in Strait tin to the basis of 53½c., compared with 47⅝c. per pound previously. As a result prices were withdrawn for sodium stannate, tin crystals, tin oxide and anhydrous stannous chloride. Anhydrous tetrachloride of tin was nominal at 26c. per pound.

Copper Firmer

All factors were quoting domestic copper at 11½c. per pound. Outside market and export prices were also 11½c. Sales were fairly good here, but little activity occurred for export.

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Alphanaphthol:—The Chilean import duty on alphs and beta naphthol has been reduced from 1.50 to 1.00 gold peso per legal kilo.

Caraway Seed:—Netherlands has established a monopoly fee of 3 florins per 100 kilos for exports of caraway seed.

Sulphur.—Egyptian exportations of agricultural sulphur of all kinds has been made subject to permit.

Cottonseed Grading Bill Is Passed by House

OPD Washington Bureau
May 6, 1940

A bill (H. R. 8642), introduced by Rep. Wall Doxey of Mississippi, to standardize the grading of cottonseed was passed today by the house. The act authorizes the Secretary of Agriculture to establish standard specifications for the sampling and grading of cottonseed, to name sampling and marketing areas within the cotton-growing states, and to distribute information on cottonseed and its products, including cottonseed oil. All cottonseed growers shall furnish the Secretary with data on prices and grades of the product, with a fine provided for those refusing to do so.

Patent Appeals Court Pushed in Senate

OPD Washington Bureau
May 6, 1940

A bill (S. 2687) to establish a circuit court of appeals for patent cases was referred today to the senate judiciary committee. The bill, setting up an appellate court with exclusive jurisdiction in patent cases, had previously been favorably reported by the patents committee. Senator Homer T. Bone of Washington, patents committee chairman, asked the judiciary committee to consider the bill since it creates a new court. He pointed out such a court was desirable because at present several conflicting patent decisions are sometimes handed down by different courts.

Chemical Price Trends Mixed

There was a narrow but important trend in both directions by prices of heavy and fine chemicals last week. Prices for tin salts have been withdrawn with exception of anhydrous tetrachloride of tin.

Business held fairly level until the jittery influence of the spreading war came in late in the week. The effect, soon or late, of this on the recent steady pace could not confidently be predicted.

Prices were advanced on calcium arsenate, domestic casein, Congo copal, anhydrous tetrachloride of tin, Straits tin and electrolytic copper.

Prices were reduced on lead, red lead, litharge, molybdenum trioxide, gum rosin, imported egg yolk, domestic and imported dried blood, and domestic nitrogenous fertilizer stuff.

The REPORTER's composite index number of prices for heavy and fine chemicals remained at 128.9 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 91.2, compared with 88.8 at this time last year and 89.3 in 1938.

Contents of This Issue

News and Statistics

Asphalt Literature Abtracted..... 64
Ayers Renamed to F.T.C..... 3
A.D.M.A. Meeting Report..... 35
Alcohol License Fee Law in R. I. 3
Bernhardt Advanced by R. & H..... 30
Crude Oil Output Down..... 64
Clark Honored at Dinner..... 5
Cottonseed Grading Bill Passed.... 4
Cleve. P.V.L.A. Nominates..... 51
Cottonseed Shippers Refunds Illegal 5
CCC Rosin Loans Curtailment Seen 5
Chain Stores Complete Patman Case 5
Chicago Drug Club to Meet..... 58
Chemist Club to Golf..... 31
Chicago Production Club Nominates 52
Dyes Added to Certified List..... 5
Ellis Heads Wilson-Bennett..... 30
Emery Relocates N.Y. Office..... 55
F.D.A. Transfer Disapproved..... 3
Fertilizer Freight Cut Sought..... 66
Fertilizer Tag Sales..... 65
Guy Awarded Herty Medal..... 5
Gasoline Price-Fixing Charge Upheld 3
Glass Center Previewed at Fair..... 26
Hall 50 Years with Stein, Hall..... 33
Imperial Chemical Names Chairmen 45
Koppers Co. Names Berry..... 46
Lalor Foundation Makes Awards.... 26
Mathieson Alkali Promotes Two.... 30
McK. & R. Reorganization Sought.. 3
Motor Carrier Rules Applied to Private Trucks..... 3
M.C.A. Meeting Date Set..... 5
Munier Joins Pierce Co..... 55
Mexico Settles Sinclair Oil Claims.. 4
Michigan Drug Ass'n to Golf..... 62
N.Y. P.V.L.A. Elects Beatty..... 4
N.W.D.A. Drug Labels Issued..... 3
N.Y.Production Club Elects Dunning 31
N.A. Potash Deliveries Were 70,462 Tons 47
O'Donohue to Head Produce Exchange 55
Ore-Testing Studies Reported..... 31
Potash Industry Pricing Studied.... 5
Proprietary Association to Meet.... 5
Petroleum Research Influence Shown 70
"Priorities" Discusses Explosives.... 26
Paint Exchange Club to Meet..... 33
Petroleum Research Study Completed 47
Patent Appeals Court Pushed..... 4
Paint Stirrers Described..... 69
Reed & Carnrick Names Monfort.... 62
S.O.C.M.A. Outing June 6-7..... 5
Spice Association Re-elects..... 5
Soybean Standards Bill Passed..... 3
Sheridan Joins Zimmermann Co.... 31
Styrenes Made by U.G.I..... 47
Standard Synthetics Catalog..... 62
Tulsa Fete to Honor Veterans..... 64
Teeter Honored by Pfizer..... 3
Trademark Bill Reported Favorably 3
Tanners Council Meets..... 5
TNEC Hearings Delayed..... 4
Textile Printing Aid Discussed..... 46
Turner to Sell for Michigan Chemical 31
Textile Color Group Re-elects..... 47
Toilet Preparations Exports: Feb.... 62
U.S. Revenue Returns Increase..... 69
Wage-Hour Law Changes Doubted.. 47
Weights, Measures Conference June 4 to 7..... 47
Water Paint Standard Offered..... 52

General Features

Advertisers' Index..... 71
Bids Wanted..... 70
Chemical Price Trends..... 4
Classified Advertisements..... 70
Closing Market Developments.... 4
Contracts Awarded..... —
Corporation Earnings..... —
Dividends Declared..... —
Editorials 24
Foreign Trade Openings..... 69
Foreign Trade Rules..... 4
Industrial Uses of Chemicals..... 32
Obituaries 31
Petroleum Market Status..... 63
Petroleum Production..... 63
Prices Current..... 7
Scientific, Professional Services.. 64
Trade News Briefs..... 30
What You Can Use..... 48
Where You Can Sell..... 32

Market Reports

Botanical Drugs, Spices, Gums... 59
Coaltar Chemicals..... 44
Drugs and Fine Chemicals..... 56
Dyestuffs, Textile and Leather Chemicals 33
Essential Oils and Aromatics.... 61
Fertilizer Materials..... 65
Heavy Chemicals..... 27
Oils, Fats and Waxes..... 53
Paint, Varnish and Lacquer Materials 49
Petroleum Solvents, Lubricants, and Fuels..... 63

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 68
Exports 68
Imports 67
Imports Detained..... 68

Oil, Paint and Drug Reporter, Volume 137, No. 20, May 13, 1940. Published weekly by Oil, Paint and Drug Publishing Company, Inc., 59 John Street, New York, U. S. A. Annual subscription prices:—United States and possessions, Cuba, Mexico, Central America, and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 6, 1879.

N.Y. Paint Club Elects C.F. Beatty President

C. Francis Beatty, of the Socony Paint Products Company, this city, was elected president of the New York Paint, Varnish and Lacquer Association at the dinner meeting held May 9 at the Hotel Biltmore. Other officers elected were:—

C. F. Beatty

Vice-president, Michael J. Merkin, of the M. J. Merkin Paint Company; secretary, Louis Gillespie, of the Gillespie-Rogers-Pyatt Company; treasurer, Hendrick E. Hendrickson, of S. Winterbourne & Co. Named to the executive

—*Continued on page 52*

TNEC Hearings Delayed Until Next November

OPD Washington Bureau
May 6, 1940

At a meeting of the Temporary National Economic Committee today the committee agreed to postpone further hearings until November of this year. The committee agreed that because the present session of Congress is evidently drawing to a close and the members are under pressure of other duties, it has become impractical to hold further hearings until November. At that time the committee proposes to hold an economic forum at which nationally known and outstanding business leaders and economists will be asked to give the committee the benefit of their experience and thinking on the problems confronting us.

The committee also voted to file with Congress before the present session adjourns a progress report showing the number of hearings held and industries studied to date and outlining future plans of the committee.

Mexico Settles Sinclair Oil Land Seizure Claims

OPD Washington Bureau
May 8, 1940

Mexico today settled for $8,500,000 the expropriation claims of the Sinclair oil interests. The announcement followed by four days publication of a note submitted to American Ambassador Josephus Daniels by the Mexican Minister for Foreign Relations which officially refused Secretary of State Hull's request that the dispute over expropriation of American-owned properties be settled by arbitration.

Mexican authorities also reported that Sinclair interests which represent about forty percent of American interests in Mexico has agreed to buy oil from Mexico, but said that was "a commercial transaction entirely apart" from the expropriation settlement. The Sinclair interests are to receive payment in cash within three years, the first $1,000,000 to be delivered in a week. Authorities also stated that the settlement demonstrated Mexico's "desire and capacity" to pay for the petroleum properties seized from oil companies more than two years ago.

Secretary Hull today refused to comment on the settlement, stating he was awaiting a complete and authorized text of the agreement.

Tanners Told to Watch Inventory Valuations

The unsatisfactory state of affairs in the trade generally has been occasioned in part by the overproduction of shoes, Harold Connett, chairman of the board of the Tanners' Council of America, declared in an address at the Spring meeting of the council May 9. He cautioned the trade against inventory profits. Mr. Connett pointed out that for every inventory profit there is an ultimate inventory loss.

Mr. Connett then mentioned the so-called "last-in-first-out-method" of inventory valuation method of the council. Whether the various members of the industry use this method or any other method of inventory valuation, Mr. Connett stated that he could not urge too strongly the necessity of the books of account clearly reflecting and segregating inventory profits from inventory losses.

In discussing "Protection of Tanners' Capital in Wartime," Irving Glass, economist for the council, stated that the experience of the industry between 1914 and 1920 or even in remotely comparable price cycles dementrates a peculiar fact. Losses, he said, are not incurred as the result of price decline; they are only uncovered then he added. Actually, the losses that are coupled with extreme price fluctuation have been incurred when the price trend was upward and there seemed to be every apparent reason for optimism, Mr. Glass said. For example, he explained, a dealer who operates in a rising market, buying hides or skins and reselling to tanners can realize profits, actual cash profits. Tanners, however, do not operate liquid enterprises, one of their principal assets is the ability to sell and deliver leather year after year. In order to maintain this asset, to manage going and continuing enterprises, tanners must carry the ball and chain of inventory, he concluded.

—Continued on page 31

M.C.A. Meetings Set for June 6

The Manufacturing Chemists' Association will hold its sixty-eighth annual meeting at Skytop, Pa., June 6-7. The business session Thursday morning will be addressed by J. Anton de Haas, professor of international relationship at the Harvard Graduate School of Business Administration. He will speak on "Can Free Economic System Survive the Repurcussions of the World War and World-Wide Change?" The other speaker will be James S. Thomas, president of the Chrysler Engineering Corporation, who will discuss "What Has Industry Contributed to the Development of Modern Civilization?"

Thursday afternoon will be given over to recreation, and Thursday evening the Manufacturing Chemists' Association will act as host to the Synthetic Organic Chemical Manufacturers' Association at the annual union dinner meeting. Speaker at the dinner will be Harold G. Moulton, president of the Brookings Institute, who will talk on "Have We Reached Economic Maturity with the Disappearance of Frontiers?" Friday the members are invited to join with the Synthetic Organic Chemical Manufacturers' Association in its outing and golf tournament.

S.O.C.M.A. Outing At Skytop June 7

The eighteenth annual Spring outing of the Synthetic Organic Chemical Manufacturers Association will be held at Skytop, Pa., June 7. Thursday evening will be the occasion of the twelfth union dinner of both the Synthetic Organic Manufacturers Association and the Manufacturing Chemists Association. Harold G. Moulton, president of the Brooking Institute, will speak at the dinner on "Have We Reached Economic Maturity with the Disappearance of Frontiers?"

Friday the association will run off its annual golf tournament with self-picked handicaps and eleven prizes for which to compete. C. A. Mace, secretary of the association, with offices at 260 West Broadway, this city, is in charge of arrangements.

Two New Dyes Added To Color Certification

OPD Washington Bureau
May 10, 1940

Secretary of Agriculture Henry Wallace has promulgated the coaltar color regulation amendments, adding two new drug and cosmetic dyes. They are designated D. & C. green No. 8 and D. & C. red No. 39.

Samuel H. Clark Honored At Testimonial Dinner

More than 200 employees and friends of Whittaker, Clark & Daniels, Inc., paint raw materials, this city, attended a testimonial dinner given to Samuel H. Clark, president of the company, May 3, in the Hotel Biltmore. The dinner served the dual pur-

Samuel H. Clark

pose of commemorating the fiftieth anniversary of the company and Mr. Clark's forty-second year of service.

Employees of the company presented Mr. Clark with a gold watch, and numerous other gifts were received from friends and business associates.

—Continued on page 31

Spice Ass'n Re-Elects A.G. Dunn President

Amendment of one article in the by-laws, and the addition of two new ones, was voted by the American Spice Trade Association at its annual meeting held May 6-8 in the Hotel Astor, this city. Arthur G. Dunn, spice importer, was reelected president, and John Max Weyer, of Van Loan & Co., as well as Anthony Sayia, president of the A. A. Sayia Company, spice broker, this city, began to serve their first term as vice-president and treasurer, respectively. Miss Nancy Erikson was retained in her capacity as secretary. Dr. Alexander Loudon, minister for the Netherlands to the United States, was the principal speaker at the banquet held May 8.

Mr. Dunn's annual address reported increases in American spice-consciousness and spice consumption, possibly in no small measure the result of the association's extensive radio publicity directed at housewives. America's bill in 1939 was in excess of $25,000,000 with imports before processing, grinding, packing and dis-

—Continued on page 62

Dr. J.S. Guy Awarded 1940 Herty Medal

The 1940 Herty Award, presented annually by the chemistry department of the Georgia State College for Women, Milledgeville, Georgia, was awarded to Dr. J. Sam Guy, professor of chemistry at Emory University, Atlanta, at a meeting of the Georgia section of the American Chemical Society, held on May 4, at Georgia State College. Dr. Guy was honored for personal achievement as reflected through Emory's department of chemistry.

Potash Industry Practices Criticized by U.S. Probers

OPD Washington Bureau
May 6, 1940

The Department of Commerce has completed its study of the potash industry in this country and a report on its conclusion has been submitted to the Department of Justice, according to Harry A. Hopkins, Secretary of Commerce. The report culminated almost a year's work by experts of the department and contained recommendations for changes in potash industry practices.

The report, about 100 pages in length, reviews the character and history of the industry, describes and discusses extensively its marketing system, and comments on the performance of the industry. Recommendations of the Department of Commerce included:—

Establishment of a price differential of approximately $7 per ton between the price of Carlsbad, New Mexico, one of the two important sources of domestic production, and the price at the seaboard. At the present time, prices at Carlsbad and at the seaboard are identical.

Establishment of a multiple discount system, in place of the present single discount, to encourage purchase of potash by fertilizer mixers in advance of their requirements, smooth the rate of delivery to mixers and discourage cancellation.

Modification of sales policy so as to permit consumers to purchase direct from producers in carload lots for their own use at regular quoted prices with the usual discount, thus opening up a new source of supply in addition to the existing source, which is the fertilizer mixers.

With respect to the establishment of of a $7 differential between prices at Carlsbad, New Mexico, and the seaboard, the report states:—

On this basis, using present price lists, a 61% muriate with the full 12½ discount would continue to be delivered on the

—Continued on page 66

Proprietary Ass'n To Meet May 20-22

An address by E. L. Davis, chairman of the Federal Trade Commission, concerning the commission and its relation to advertising, and a discussion of the requirements of the Federal food, drug, and cosmetic act, by W. R. M. Wharton, chief of the Eastern district of the Food and Drug Administration, are among the features scheduled for the fifty-eighth annual convention of the Proprietary Association. It will be held in the Biltmore hotel, this city, May 20-22. The complete program of the sessions follows:—

Scientific Section

May 20, 10 a.m.

Chairman, Dr. George F. Reddish.
Opening greetings by Charles S. Beardsley, president.
"Various Methods of Evaluating Moisture in Drug Materials," by Dr. E. C. Merrill, of the United Drug Co.
"Nomenclature, Myelotropism," by Dr. James C. Munch, James C. Munch Laboratories.
"Gentian Violet in Sabourand's Medium for Isolation of Pathogenic Fungi," by Dr. Foster D. Snell and Dr. S. S. Epstein, of Foster D. Snell, Inc.
"The Retail Druggist and the Food and Drug Laws," by Dr. Paul W. Spickard and Mr. T. Richard Hurley, of the United Drug Company.
"Recent Developments in the Vitamin B Complex," by Dr. W. L. Sampson, of Merck & Co.
"Report on a Co-operative Research Program," by Dr. Walter Compton, of Miles Laboratories, Inc.
"Products Chemically Compatible and Incompatible with Ephedrine Alkaloids and Ephedrine Salts," by Dr. Louis M. Roeg, of Merck & Co.
"The Bronchiolar Reaction—A Pharmacological Method of Measuring Smooth Muscle Reactions Quantitatively As Well As Qualitatively," by Dr. H. D. Pease, of Pease Laboratories, Inc.
"A Bacteriologic Method for Testing Antiseptic Chewing Gum," by Dr. George F. Reddish and Isabelle B. Romans.
Question and answer period, Dr. F. J. Cullen, discussion leader.

Foreign Trade Section

May 20, 2:30 p.m.

Chairman, J. D. Bohan.
Opening greeting by President Beardsley.
"War Regulations and Their Effects Upon American Exports," by Thos. W. Delahanty, of the Bureau of Foreign & Domestic Commerce.
"World Wide Exchange Rates," by Wm. P. Moran, of the National City Bank.

—Continued on page 55

Chain Stores Complete Patman Bill Testimony

OPD Washington Bureau
May 9, 1940

The chain stores today completed presentation of their side of the testimony in the hearings on the Patman antichain store bill conducted by a house ways and means subcommittee, with chances of the bill's passage this session very slim. It is expected to be revived again when Congres reconvenes in January.

Representatives of oil companies are scheduled to testify tomorrow against inclusion of filling stations in the bill, and Representative Wright Patman of Texas, the bill's sponsor, will probably take the stand for a short rebuttal next week.

Testimony for both sides has taken almost seven weeks, with over 200

—Continued on page 58

Cottonseed Shippers Refunds Unlawful

OPD Washington Bureau
May 8, 1940

Proposed allowances made by a railroad to shippers using its line for the outbound movement of cottonseed products were found unlawful by the Interstate Commerce Commission today. The suspended schedules were ordered canceled and the company asked to show cause why another tariff, containing provisions similar to those suspended, should not be amended.

The company cited was the Columbus & Greenville Railway Company, serving shippers in Mississippi. Its suspended tariff provided that when cottonseed is moved by rail into certain manufacturing or mill points at the full local rates and the product is subsequently shipped from such points over its line, the company will make the shipper an allowance. There is no requirement that the inbound shipment move over the railroad's line.

The refund is the difference between the rate paid on the inbound shipment and certain "factors" specified in the tariff, ranging from 2.75c.

—Continued on page 55

C.C.C. Loans on Rosin In Bbls. May Be Stopped

OPD Washington Bureau
May 9, 1940

The Commodity Credit Corporation is seriously considering changing its regulations regarding naval stores loans, as recently requested by naval stores producers, so that after July 1 it will make no further loans on rosin in wooden barrels.

This change was requested because of the marked consumer preference for rosin in non-returnable light metal drums and because of damage to rosin stored in wooden cooperage, As of March 31 the C.C.C. had under loan 997,774 barrels of rosin in wood and 142,288 barrels of rosin drums, and through the duration of the loan program it has discovered that rosin in metal containers has been in greater demand than that in cooperage.

The C.C.C. has also increased to 30 cents from 20 cents per barrel of 280 pounds its allowance to dealers handling sales of its rosin in order to cover the cost of reconditioning wooden cooperage. The additional commission of 10 cents applies only to rosin taken under the 1938 lending program and dealers are required to make good all damaged cooperage out of this commission.

Eye-Evidence—Test-Tubes each contain (from left to right) a half ounce by weight of Extra Heavy, Heavy, Medium, Light and Extra Light grades of Mallinckrodt Bismuth Subcarbonate. Note difference in bulk.

MALLINCKRODT BISMUTH SUBCARBONATE

EXTRA HEAVY • HEAVY • MEDIUM • LIGHT • EXTRA LIGHT

Mallinckrodt offers special grades to meet the particular requirements of the medicinal manufacturers — dense grades for tablets — medium densities for powders and alkaline mixtures (supplied on unspecified orders) — light fluffy grades for suspensions.

1. **BISMUTH SUBCARBONATE EXTRA HEAVY**
   About 18 fluid ounces per pound
2. **BISMUTH SUBCARBONATE HEAVY**
   About 22 fluid ounces per pound
3. **BISMUTH SUBCARBONATE MEDIUM**
   About 30 fluid ounces per pound
4. **BISMUTH SUBCARBONATE LIGHT**
   About 50 fluid ounces per pound
5. **BISMUTH SUBCARBONATE EXTRA LIGHT**
   About 85 fluid ounces per pound

All grades of Bismuth Subcarbonate have good light stability and are of fine particle size — passing a No. 325 mesh sieve. Other Outstanding M.C.W. Bismuth Compounds:—Bismuth Subgallate, Bismuth Subnitrate, Bismuth Subsalicylate, Bismuth Oxide, Bismuth Lactate, etc.

BOTTLE OR BARREL . . .
Mallinckrodt Spells Quality

MALLINCKRODT CHEMICAL WORKS

2nd AND MALLINCKRODT STREETS, ST. LOUIS, MO. — 70-74 GOLD STREET, NEW YORK CITY

CHICAGO · PHILADELPHIA · MONTREAL · TORONTO

Current Market Quotations

May 10, 1940

All matter under this heading fully protected by copyright

MAY 13 1940 LIBRARY

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., bbls.....lb. .22 - —
95%, bbls.....lb. .29 - —
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex., E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys. .....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys. .....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys. .....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys. .....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys..100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms., 100 lbs. 8.43 - 8.68
cbys. .....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys. .....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys. .....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys. .....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys. .....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlv'd at destination in the following States: Conn., Del., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special. USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib, dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .22 - .25
Ascorbic, bots., dms.....oz. 2.25 - 2.50
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10 25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.60 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld...ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld, ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots ex whe..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse...ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.000 - —

USP, 825 per ton higher.

Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, ens.....lb. 7.00 - —
Capric, dms.....lb. .14 - .14½
Caproic, dms., works.....lb. .35 - .40
Carbolic (see Phenol).
Castor oil, split, dms.....lb. .17 - .17½
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¾- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd. N. Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhyd., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10½- .11
Corn, dist., dms.....lb. .09 - .09½
Cottonseed oil, dist., dms....lb. .08½- .09
tanks .....lb. .08 - —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms....gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U.S..gal. .40 - —
l.c.l., same basis....gal. .41 - .42
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-240°), non-return dms., c.l., works, East. U.S..gal. .46 - —
l.c.l., same basis....gal. .47 - .48
tanks, dlvd. East. U.S..gal. .448 - —
Crotonic, bbls., dlvd.....lb. .21 - —
smaller containers, dlvd...lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1-ton delivery..lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib, dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys...lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. bots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 34% conct., cbys.....lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dm.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs. bbls..lb. .09 - .09½
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22% bbls., c.l., works...100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys., works..100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12
plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
Acid, lactic, 80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms.....lb. .13½- .14
Laurent's, bbls.....lb. .45 - —
Linseed oil, dark, dms.....lb. .12½- .13
light, dms.....lb. .13¼- .13¾
extra white, dist., dms...lb. .14¼- .14¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms, c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l. 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.90 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .17¾- .18¼
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45- —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —

Oleum (see sulphuric fuming).

Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms...lb. .07 - .07½
tanks .....lb. .06½- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
djns., 25 lbs.....lb. .15 - —
10% dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump., powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works...lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .09¼- .09¾
Stearic, dist., double pressed, bgs., dlvd..lb. .10½- .11½
single pressed, bgs., dlvd..lb. .10 - .11
triple pressed, bgs., dlvd..lb. .13¼- .14¼
saponif., double pressed, bgs., dlvd..lb. .10¾- .11¾
triple pressed, bgs., dlvd..lb. .13½- .14½
Succinic, bbls.....lb. .75 - —

Acacia—Alcohol

Acid, sulphanilic, CP, bots., works, lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots.....lb. .10½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works...ton.36.00 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .37¼- —
smaller quantities...lb. .37½- —
kgs. .....lb. .38¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.25
Tungsten, CP, kgs., works...lb. No prices
Chem. grade, kgs., works...lb. No prices
Aconite leaves, bls.....lb. .28 - .30
Root, bls.....lb. .36 - .38
Aconitine, amorph, bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .30 - .31
hyd., dms.....lb. .29 - .30
Agar, 1. bls.....lb. 1.40 - 1.50
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis..lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. .60 Nom.
egg, ed., dom., cryst., bbls..lb. .53 - .59
powd., dms., bbls.....lb. .58 - .64
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, l.c.l., dms., wks...lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
Contract prices 1c. per lb. less.
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Caprvl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP., fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms...lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works....gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works...gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —

Anhydrous 3c. per gal. higher.

SD-2B, dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

GANE'S
MEDICINAL CHEMICALS

EPHEDRINE
NATURAL AND SYNTHETIC

ALLANTOIN
AMINOPHYLLINE, N.N.R.
BARBITAL
BENZOCAINE
NICOTINIC ACID
NICOTINIC ACID AMIDE
PENTOBARBITAL
Sodium, U. S. P.
PHENOBARBITAL
PHENOBARBITAL
Sodium, N. N. R.
PROCAINE
SULFANILAMIDE, N.N.R.

ALKALOID HEADQUARTERS

TRADE MARK TRADE MARK

GANE AND INGRAM
INCORPORATED

OFFICE:
43 WEST 16th STREET, NEW YORK

FACTORIES:
CARLSTADT, N. J. NEWARK, N. J.

AROMATIC PRODUCTS

BENZOPHENONE
BENZYL ACETATE
BENZYL ALCOHOL
BENZYL BENZOATE
BENZYL SALICYLATE
BENZYLIDENE ACETONE
BROMSTYROL
CINNAMIC ALCOHOL
CITRAL
CITRONELLA OIL SUBSTITUTE
CITRONELLOL
DIMETHYL ANTHRANILATE
ETHYL ANTHRANILATE
GERANIOL, for Soap
GERANIOL, Various Grades
GERANYL ACETATE
IONONE 100%
IONONE C. P., Waterwhite
MENTHOL SYNTHETIC 300-320
MENTHOL SYNTHETIC FUSED
MENTHONE
METHYL ANTHRANILATE
METHYL BENZOATE
METHYL CINNAMATE
METHYL NAPHTHYL KETONE
METHYL PHENYL ACETATE
METHYL PHENYL PROPIONATE
MUSK AMBRETTE
MUSK KETONE
MUSK XYLOL
PARA CRESOL METHYL ETHER
PHENYL ETHYL ACETATE
PHENYL ETHYL PROPIONATE

USE AMERICAN MENTHOL U. S. P.
MADE AT OUR WORKS AT NEWARK, N. J.

A. MASCHMEIJER, JR., INC.
45 WEST 16th STREET, NEW YORK, N. Y.

Alcohol, special solvent, dms., c.l., E. works..gal. .20½- —
20 dms., E. works.. gal. .31½- —
1 to 10 dms.....gal. .34½- —
tanks, E. works.....gal. .23½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., dlvd..lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
cns., works.....lb. .16½- .18½
tanks, dlvd.....lb. .11 - —
tech., dms., c.l., dlvd.....lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
cns., works.....lb. .16 - .18
tanks, dlvd.....lb. .10½- —
Ethyl, 190 pf., ex. molasses, bbls., c.l..kal. 4.55 - —
19 bbls.....kal. 4.58½- —
1 to 18 bbls.....kal. 4.61½- —
dms., c.l.....kal. 4.54 - —
19 dms.....kal. 4.57½- —
1 to 18 dms.....kal. 4.60½- —
tanks .....kal. 4.48 - —
absolute, dms., c.l.....kal. 4.81½- —
19 dms.....kal. 4.85 - —
1 to 18 dms.....kal. 4.88 - —
Grain alcohol 25c. gal. higher.
Furfuryl, tech., cns., works.lb. .35 - —
dms., c.l., 33,000 lbs. works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl, primary, dms., l.c.l., dlvd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0680- —
tanks, same terms.....lb. .0590- —
Isopropyl, refd., 91%, dms., 5 gal., f.o.b. dest..gal. .65 - —
55 gal., c.l., same basis, gal. .33½- —
l.c.l., same basis...gal. .38½- —
tanks, frt. alld.....gal. .28½- —
99%, dms., 5 gal., same basis, gal. .65 - —
55 gal., c.l., same basis, gal. .36 - —
l.c.l., same basis...gal. .41 - —
tanks, same basis.....gal. .31½- —
Methyl (see Methanol).
Phenylethyl, bots., cans.....lb. 2.30 - 3.35
Propyl, normal, dms., works, gal. .70 - —
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, ra, lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72
Aldehyde bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .28 - .29
Aloe, Cape, cs.....lb. .20 - .21
Curacao, cs.....lb. .40 - .42
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .40 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - —
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. .41 - .42
peeled, bls.....lb. .43 - .44
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N.Y., Phila..100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd. N.Y., Phila..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd. N.Y., Phila..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd N. Y. prices apply to truck or ex warehouse.
Potash, gran., bbls., works, 100 lbs. 3.75 - —
dlvd. N. Y., Phila..100 lbs. 3.75 - —
lump, bbls., works.....100 lbs. 4.00 - —
dlvd. N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash chrome, bbls.....lb. No price
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers, dlvd. lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 32%, bbls., c.l., dlvd..lb. .09½- —
l.c.l., 10 or over, dlvd. lb. .11 - —
1 to 9, dlvd.....lb. .12 - —
normal, pwd., bbls., dlvd. lb. .22 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l. dlvd..lb. .08 - —
l.c.l., 10 or over, dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20

Alumina, palmitate, precip., bbls. lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l. .....lb. .20 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
c.c.l., works, frt. equaled.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron-free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum 98-99%, c.l.....lb. .19 - —
l.c.l. .....lb. .20 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .62 - —
ink, dms., 1,500 lbs.....lb. .72 - —
standard, dms., 1,500 lbs..lb. .39 - —
powder, lining, extra fine, dms., 1,500 lbs..lb. .92 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .56 - —
standard, dms., 1,500 lbs..lb. .56 - —
rubber compound, dms., 1,500 lbs..lb. .39 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
standard, dms., 1,500 lbs..lb. .39 - —
Aluminum paste and powder prices are 3c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; an single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.17.00 -26.00
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25
Ammonia, acetate, bbls., kgs., dvd..lb. .27 - .33
dms., dlvd.....lb. .23 - .26
Aldehyde, dms.....lb. .65 - .70
Anhydrous, fertiliser, com'l tanks (50,000 lbs.), works.lb. .04½- —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y.lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05½- —
dms., c.l. .....lb. .02¾- —
l.c.l. .....lb. .03½- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., 4,000 lbs. or more..lb. .40 - .42
1,000 lbs. to 3,900 lbs....lb. .41 - .43
900 lbs. or less.....lb. .42 - .46
kgs., 4,000 lbs. or more....lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .42 - —
Bicarbonate, bbls., dlvd., Met. N. Y..lb. .0556- —
kgs., same basis.....lb. .0606- —
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kegs .....lb. .36 - —
Carbonate, lump, bbls., dlvd., Met. N. Y..lb. .06 - —
kgs., same basis.....lb. .11 - —
cns., same basis.....lb. .12½- —
powdered, 1c. per lb. higher,
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .85 - —
cns .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.25 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .20
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. .17 - .19
Persulphate, kgs., dom.....lb. .21 - .22
imported, kgs.....lb. .18 - —
Phosphate, dibasic, N.F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. No prices
pure, bbls. .....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Silicofluoride, imp., bbls., ex-dock N.Y..lb. .11½- .13
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., f.o.b. shipt..ton.28.00 - —
Ammonia sulphate prices are f.o.b. cars nearest Atlantic or Gulf port, and/or $1 per ton less than above prices f.o.b. cars nearest inland producing oven, whichever is lower to destination.
Sulphide, liquid, 40-45%, basis 100%, dms., c.l., dlvd..lb. .08 - —
l.c.l., works.....lb. .12 - .13
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .07½- —
dms., works.....lb. .05½- —
yellow, 33%, cbys., works..lb. .07½- —
dms., works.....lb. .05½- —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works...100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.00 - 5.15
import, casks .....100 lbs. No price
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .17 - .19

Amylacetate, ex Pentane, dms., c.l., frt. alld..lb. .10½- —
l.c.l., frt. alld.....lb. .11¼- —
tanks, frt. alld.....lb. .09¾- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works..lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. 1.02 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .25 - .26
import, natural, bls.....lb. .70 - .75
twisted, bls.....lb. .95 - 1.25
Angostura bark, bls.....lb. .28 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .13 - .13½
Anise, Cyprus, bgs.....lb. .15 - .15½
Mexican, bgs.....lb. .13 - .13½
Spanish, bgs.....lb. .25½- .26
Star, bgs.....lb. .15½- .16
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06½- .07
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, powd., kgs.....lb. .18 Nom.
Oxide, bgs., c.l.....lb. .11 - .14
l.c.l. .....lb. .14½- —
Salt, 65%, dms.....lb. .30 - —
bbls. .....lb. .38 - —
White pigment, bgs., f.o.b. Laredo, Tex..lb. .13 - .16
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .13 - .16
Arecoline hydrobromide, bots..oz. 5.00 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. .40 - .42
Root, bls.....lb. .49 - .51
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots.lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. .17½- .18
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Asafetida, cs.....lb. .33 - .34
powd., bbls., bxs.....lb. .56 - .57
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons). Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.60 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.25.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.23.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.19.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.16.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.14.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.. ...lb. .04½- —
smaller lots, f.o.b. plant, lb. .05¾- —
process form, bgs., 20 tons, f.o.b. plant.....lb. .05 - —
smaller lots f.o.b. plant..lb. .06 - —
California, dms., c.l., f.o.b. N. Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....tan.36.50 - —
Cuban A, bgs, c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y..lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points., ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
Jet., bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N Orleans, refinery...gal. .06 - —
Atrophue, bots.....oz. 5.75 - 6.00
Sulphate, bots.....oz. 4.00 - 4.75

B

Balm of Gilead buds, bgs.....lb. .45 - .50
Barberry bark, bgs.....lb. .37 - .39
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 90-96% grd., bgs., c.l., works, ton.45.00 -47.00
99% thru 200 mesh, bgs., c.l., works..ton.47.00 -49.00
precip., bgs., c.l., works..ton.52.50 - —
Chicago .....ton.55.00 - —
l.c.l., works.....ton.57.50 - —
Chicago .....ton.60.00 - —

Alcohol—Bismuth Trioxide

Barium, carbonate, precip., bbls., c.l., works..ton.57.50 - —
Chicago .....ton.60.00 - —
l.c.l., works.....ton.62.50 - —
Chicago .....ton.65.00 - —
sulphur-free, bgs., c.l., works, ton.57.50 - —
l.c.l., works.....ton.62.50 - —
Chlorate, kgs.....lb. .20 - .25
Chloride, CP, cryst., bbls....lb. .25 - —
kgs. .....lb. .27 - —
Chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l. dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bxs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .14 - .16
Fluosilicate, bbls.....lb. .16 - —
Hydrate (see Hydroxide).
Hydroxide, bbls., imp.....lb. .06¼ Nom.
dom., works.....lb. .06½- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, dms., c.l., ungrd., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works..lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l. St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis..ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York.....ton.31.50 - —
southern off color, bulk mines, ton.12.00 - —
95.75%, bulk, mines....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l. dock, t.a. ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l. ex dock, t.a...ton.29.50 Nom.
l.c.l., ex whse.....ton.32.50 Nom.
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. .30 Nom.
Root, bls.....lb. .35 - .40
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works ton.16.00 - —
Benzaldehyde, tech., cbys, dms., lb. .25 - .60
USP, X, dms., 50 to 100 lbs..lb. .55 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .21 - —
tankcars, frt. alld. E. of Omaha, gal. .16 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .16 - —
Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib, ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans, lb. .84 - —
dms. .....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.17.25 -17.50
Hydrochloride, cns.....lb.17.25 -17.50
Sulphate, cns.....lb.17.25 -17.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib., dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.08
fib. dms.....lb. 1.73 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.03
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.96 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.83
fib. dms.....lb. 1.48 - 1.61
Subsalicylate, 61-66%, bxs....lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —

Bis.-Ammo Cit.—Charcoal

Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt., alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3 bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .08¼- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —

Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b plants..lb. .0280- —
f.o.b. North Atlantic ports, lb. .03675- —
beads, compressed, bgs.. c.l., f.o.b. plants..lb. .0265- —
f.o.b. North Atlantic ports, lb. .03525- —
l.c.l., compressed, bgs. or cartons, f.o.b. whse....lb. .06¼- —
divd..lb. .06¾- —
uncompressed, bgs. or cartons, f.o.b. whse..lb. .06¾- —
divd..lb. .06¾- —
bulk, cars., c.l., f.o.b. plants, lb. .02½- —
f.o.b. New York harbor..lb. .0338- —
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
1, ctns., c.l., 3, ctns., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .25 - .26
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equal..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.75 - —
high-grade, gr., 16-17 ammon., bulk., f.o.b. Chi., unit-ton. 2.90 - —
import, bgs., c.i.f. ports, shipt., unit-ton. 2.75 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —

Alkali blue toner prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Blue, bronze, bbls., same basis, alkali toner, contracts..lb. .88 - —
open order.....lb. .37 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg., lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld.....lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
Potash, dom., bbls., same basis, alkali toner, contracts.lb. .42 - —
open order.....lb. .42 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .33 - —
open order.....lb. .34 - —
soluble, bbls., same basis, alkali toner, contracts.lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equal..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
Blue, ultramarine, dry or pulp, regular grades, bbls., same basis..lb. .16 - .27

Blue, ultramarine, blue divd., ex whse., is 1c. higher; Pac. Coast ex whse., 2c., higher; 100-lb. kgs., 1c. above bbls., 25-lb. boxes 5c. above bbls.

Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Bluefag root, bls.....lb. .13 - .14
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate)
Blue vitriol (see Copper sulphate)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 - —
import, 100-lbs., bgs., c.i.f. ports, ship..ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic. precip.)
Steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08 - .09
Borage flowers, bls.....lb. .20 - .25
phos., bgs., c.i.f. ports..ton.36.00 - —
Borax, tech., 99½% gran., bulk, c.l., frt. all..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —

USP, $15 per ton higher.

Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —

Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.

Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .11 - .12
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bags., c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08¼- —
7, bbls., same basis...lb. .08¼- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06¼- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., f.o.b. works..lb. .02½- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2 bbls., same basis...lb. .11¼- —
3, bbls., same basis...lb. .12¾- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06¼- —
11, bbls., same basis...lb. .05¼- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .05 - —
ex whse., Los Angeles, l.c.l., Portland, San Francisco, Seattle..lb. .05½- —
Boston .....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
ex whse., Kansas City.. lb. .05¼- —
l.c.l., Los Angeles, Portland, San Francisco, Seattle..lb. .04¾- —
Minneapolis .....lb. .0510- —
Pittsburgh .....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .15 - .16
Buchu leaves, bls.....lb. .55 - .60
Buckthorn bark, true, bls.....lb. .30 - .32
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .25 - .30
Burdock root, bls.....lb. .14 Nom.
Burgundy pitch, dom., dms....lb. .05½- .06
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks.. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld....lb. .09½- —
contract prices 1c. per lb. less.
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms.lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Butyl, aldehyde, dms., c.l., works, lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., divd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., divd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.60 - 6.95
cns, works.....lb. .65 - .70
dms., frt. alld. Met. N. Y...lb. .60 - —

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
cyanide, 25-lb. bots., divd...lb. 3.00 - —
25-lb. cks., divd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100-lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs. or more.....lb. 2.25 - —
1,000 lbs. or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs. or more..lb. 2.23 - —
2,000 lbs. or more.....lb. 2.28 - —
1,000 lbs. or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cans, 10,000 lbs. or more..lb. 2.25 - —
2,000 lbs. or more.....lb. 2.30 - —
1,000 lbs. or more.....lb. 2.35 - —
100 lbs.....lb. 2.40 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cans, 25 lbs. or more..lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.91 - 4.99
Calabar beans, bgs.....lb. .27 - .28
Calamus root, peeled, N.F., cs., lb. .28 - .30
bleached, bls.....lb. .90 - .95
Calcium acetate, bgs., divd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms., c.l., divd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..... 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-98%, bgs., dms., c.l., divd..ton.22.00 -35.00
l.c.l., 1 ton or over, divd., 100 lbs. 1.70 - 2.35
liquer, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., divd..ton.20.00 -33.00
l.c.l., 1 ton or over, divd., 100 lbs. 1.60 - 2.20
Gluconate, USP, gran., powd., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt...ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS., bgs., c.l., works..ton.46.00 - —
60%, CaS., bgs., c.l., wks.ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphecarbolate, bbls., 200 lbs., lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .35 - .40
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Canary seed, Argentina, bgs..lb. .0350- .0380
Morocco, bgs.....lb. .0350- .0380
Turkish, bgs.....lb. .0330- .0360
Camphor, synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import., gran. powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentina, bgs..lb. .03¾- .03¾
Morocco, bgs.....lb. .03¼- .04¼
Turkish, bgs.....lb. .03¼- .03½
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.00 - 1.05
powd., bxs.....lb. 1.10 - 1.15
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. No price
Russian, bgs.....lb. .12 - .12½
Carbazole, 95%, dms., tan lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .69 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm., (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¾
Dioxide, cyls.....lb. .06 - .06
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .06¼- —
l.c.l., frt. alld.....gal. .73 - —
Carbon, tetrachloride, 5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.05 - 1.40
decorticated, cs.....lb. .77 - .79
green, bgs.....lb. .60 - .62
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .16 - .18
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., divd..lb. .10½- .12
5 tons, works.....lb. .11 - .12½
smaller lots, works.....lb. .11½- .13
80-100 mesh, bgs.....lb. .11 - .12½
5 tons, works.....lb. .11½- .13
smaller lots, works.....lb. .12 - .12½
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .10½- —
80-100 mesh, bgs., c.l., duty paid..lb. .11 - —
French, 30 mesh, bgs. c.l., duty paid..lb. .15 Nom.
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. .15 Nom.
Cassia, Batavia, No. 1, bls....lb. .16 - .16½
shortstick, bls.....lb. .12¾- .13
broken, bls.....lb. .13 - .13½
China, rolls, select, bls. ....lb. .09¼- .09⅝
broken, extra, bls.....lb. .08¾- .08⅞
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13 - .13½
Cassia fistula, bskts.....lb. .12 - .13
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.68.00 -70.00
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.17.50 - —
fmport, bgs., c.l.f. ports, shipment..ton.20.00 - —
Celery seed, French, bgs.....lb. .21¼- .21⅝
Indian, bgs.....lb. .13½- .14
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .33 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld.....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
triacetate, flake, frt. alld., lb. .33 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .38 - .40
Roman, bls.....lb. No price
Charcoal, softwood, gran., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.32.40 - —
Colo. .....ton.29.00 - —
Conn., Me., Mass., N. H., R. I., Vt., ton.32.80 - —
c.l., divd., Ill. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana .....ton.28.00 - —
Mo., Okla., Tex. (except El Paso).....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —

Charcoal, softwood, gran., bgs., Michigan ....ton. 29.80 - —
Ohio ....ton. 29.80 - —
Penn. ....ton. 31.80 - —
Utah ....ton. 66.00 - —
Willow, powd., bbls. ....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works....lb. .02¾- —
tanks, works....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works....ton. 10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
bgs., c.l., works....ton. 8.50 - —
l.c.l., works....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works. ton. 12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton. 26.00 Nom.
powd., cks., l.c.l., ex dock, ton. 39.00 Nom.
ex whse....ton. 42.00 Nom.
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs....lb. .96 - 1.05
100 lbs....lb. .98 - 1.07
25 lbs....lb. 1.00 - 1.09
1-10 lbs....lb. 1.05 - 1.12
dms., 1,000 lbs....lb. .90 - —
500 lbs....lb. .93 - —
100 lbs....lb. .96 - —
Chlorinated rubber, standard, c.l., bgs., works..lb. .32 - —
75 lbs., bgs....lb. .35 - —
smaller lots, bgs....lb. .38 - —
Chlorine, liq., cyls., c.i., dlvd., N. Y..lb. .05¼- —
contracts, dlvd., N. Y..lb. .05¼- —
l.c.l., dlvd., N. Y....lb. .07¼- —
tanks, single unit, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.15 - —
1, works, frt. equald., 100 lbs. 2.60 - —
Chloracetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms....lb. .22 - —
50-lb. dms....lb. .23 - —
USP, 650-lb. dms....lb. .30 - —
100-lb. dms....lb. .32 - —
50-lb. dms....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., works..lb. .80 - —
100-lb. cyls., works....lb. .85 - —
5-25-lb. cyls., works....lb. 1.00 - 1.15
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13¼- —
solut., 8¼%, cs., bbls....lb. .05¾- —
Cake, bulk, c.l., works....ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs....lb. .45 - —
scale, dms., 100 lbs....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .70 - .75
20 in., thick, cs....lb. .70 - .75
20 in., medium, cs....lb. .70 - .75
USP, broken quill, red, bgs. lb. .25 - .26
yellow, bgs....lb. .25 - .26
Cinchonidine, crys., small cns., 100 ozs..oz. .86 - —
large, cns....100 ozs..oz. .90 - —
powd., cns....100 ozs..oz. .83 - —
Sulphate, N.F., cns.100 ozs..oz. .50 - —

Cinchonidine buyers must pay a surcharge of 3c. per oz., to cover present war risk insurance, higher ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, crys., small, cns., 100 ozs..oz. .88 - —
large, cns....100 ozs..oz. .62 - —
powd., cns....100 ozs..oz. .84 - —
Sulphate, N.F., cns.100 ozs..oz. .38 - —

Cinchonine buyers must pay a surcharge of 2c. per oz., to cover present war risk insurance, higher ocean fright rates and other expenses ove the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms. lb. 3.40 - —
1 and 5-lb. bots....lb. 3.50 - 3.55
100 lbs., dms....lb. 3.30 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys....lb. .85 - .90
Cinnamon, Ceylon, 2 bls....lb. .18½- .19
3 bls....lb. .15½- .16
Citral, bots., cns....lb. 1.40 - 3.10
Citrine ointment, jars....lb. .95 - .97
Citronellal, bots., dms....lb. .75 - .80
Citronellol, bots., dms....lb. 1.60 - 1.85
Clove, Amboyna, bgs....lb. .22 - .23
Madagascar, bls....lb. .15¾- .16
Zanzibar, bls....lb. .15¾- .16
Clover tops, bgs....lb. .32 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works....bbl. 8.25 - 8.50
tanks, works....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works....bbl. 8.75 - 9.00
tanks, works....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works....dm. 8.25 - —
refd., dms., c.l., works....dm. 8.00 - —
l.c.l., works....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .71 - —
Carbonate, powd., bgs., works, lb. 1.38 - —
Chloride, kgs., works....lb. .76 - .80
Hydrate, bbls....lb. 1.78 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls....lb. .33 - —
Oleate, bbls....lb. .25 Nom.
Oxide, black, kgs....lb. 1.84 - —
Resinate, fused A, bbls....lb. .13½- —
1 %, bbls....lb. .13 - —
2 %, bbls....lb. .14 - —
3½%, bbls....lb. .17½- —
precip., dms., dlvd....lb. .34 - —
Sulphate, dms....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs....lb. .37 - .38
Teneriffe, silver, bgs....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .12¾- .13
Cocillana bark, bgs....lb. .30 - .31
Codeine, cns., 100 ozs....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 oz....oz. 9.00 - —
Sulphate, cns., 100 ozs....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls....lb. .07 - .08
Blue, root, bls....lb. .07 - .08
Colchicine, bots., cns....oz. 20.00 -25.00
Colchicum seed, bgs....lb. .40 - .45

Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs....lb. .18 - —
Colocynth pulp, bls....lb. .55 - .56
Colombo root, bls....lb. .15 - .16
Coltsfoot leaves, bgs....lb. .15 - .16
Condurango bark, bgs....lb. .12 - .13
Conium leaves, bls....lb. .30 - .32
Copaiba balsam, Para, cns....lb. .30 - .33
S.A., USP, cns....lb. .36 - .37
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls....lb. .1610- —
Chloride, cryst., bbls....lb. .16 - —
Cyanide, tech., bbls....lb. .34 Nom.
Iodide, bots....lb. 5.15 - 5.19
Copper, metal, electrolytic....lb. .11 - .11½
Nitrate, cryst., bbls....lb. .16¼- —
Oleate, precip., bbls....lb. .20 - —
Oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l., 80-88%, kgs., f.o.b. N.Y..lb. .19½- —
Resinate, precip., bbls....lb. .15 - .16
Stearate, precip., bbls....lb. .24½- .25½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.60 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.95 - —
1-5 bbls., same basis, 100 lbs. 5.20 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 9.15 - 9.35
l.c.l. dealers....100 lbs. 10.15 -10.35

Copperas, cryst., gran., bgs., c.l., works..ton. 18.00 - —
bbls., c.l., works....ton. 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
5-24, works....100 lbs. 1.65 - —
1-4, works....100 lbs. 2.00 - —
bulk, c.l., works....ton. 14.00 - —
Copra, Coast, shipt....lb. .0160- .0165
Coriander seed, Morocco, bgs..lb. .04 - .04¼
bleached, bgs....lb. .06½- .07
Corn sugar, Tanner's chipped, bgs., c.l., dlvd..100 lbs. 3.29 - —
slabs, bbls., c.l....100 lbs. 3.21 - —
solid, bbls., c.l....100 lbs. 3.33 - —
Syrup, 42°, bbls., c.l....100 lbs. 3.32 - —
43°, bbls., c.l....100 lbs. 3.37 - —
Cornsilk, bls....lb. .11 - .12
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls....lb. .11 - .12
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd., unit-ton. 1.10 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns....lb. 2.85 - 3.10
1-lb. cns....lb. 3.00 - 3.25
1-oz. cns....lb. 3.35 - 3.60
less than 5 lbs., cns....lb. 4.15 - 4.65
Cramp, bark, genuine, bls....lb. .23 - .24
so-called, bls....lb. .06 - .07
Cranesbill root, bls....lb. .16 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .30¾- —
smaller lots, bbls....lb. .31¼- —
kgs....lb. .31¾- —

Charcoal—Culvers Root

Creosote, beechwood, bots....lb. .70 - .75
Hardwood, USP, bots....lb. .45 - .47
Pine, dms....gal. .28 - —
Carbonate, bots., cbys....lb. 1.40 - 1.75
Oil, crude, tanks, works...gal. .13½- .14¼
Coaltar, solution, tanks, works, gal. .123 - .133
refd., bbls., l.c.l., works..gal. .25 - —
tanks, works....gal. .18 - .18½
Cresol, USP, dms., c.l., works.lb. .09¾- —
l.c.l., same basis....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works..lb. .11 - —
l.c.l., works....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .24 - .25
2,000 lbs. to 10,000 lbs..lb. .25 - .26
1,000 lbs. to 2,000 lbs..lb. .26 - .27
200 lbs. to 1,000 lbs....lb. .27 - .28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs....lb. .42 - .44
powd., cs....lb. .47 - .48
Culver's root, bls....lb. .16 - .17

Newest development in Witco's program of expansion is the erection of a modern, up-to-the-minute equipped laboratory in Chicago. Here a broad program of research, testing and product development is being carried out to assist Witco customers in the use of chemicals, oils, pigments, asphalts and allied materials. If you have problems of a chemical nature Witco invites you to submit them for discussion and investigation.

what's so wonderful about a twentieth anniversary ?

THIS YEAR your company may be celebrating its 50th . . . or its 75th . . . or even its 100th anniversary.

In that case you may wonder why we take the trouble to mention our 20th.

1940 is more than a Witco anniversary. It is also an anniversary of a new birth of the entire industry of which Witco is a part. For progress in the chemical industry has been greater in the last twenty years than in all the other years of its history combined. Changes have occurred with lightning speed. New products, new processes and methods have supplanted older ones in quick succession. And Witco, born at the start of this swift-moving industry's new era, and attuned to its tempo, has kept pace to emerge as one of the progressive factors within its vast framework.

To the tremendous growth of the chemical industry Witco owes its opportunity. To its own alertness and flexibility it owes its assured position in the industry today—with a wide variety of products used over a broad industrial front. From the start Witco caught the youthful spirit of chemical service, organized its facilities and personnel to meet changing demands quickly, efficiently. As a result Witco materials, excellent in quality, timely in nature, are helping other industries produce better rubber tires, paints, inks, steel, textiles, leather, oil, plastics, paper, cosmetics, soap, building materials and many other vital necessities.

To aid this general industrial progress still further and to cooperate more fully with the chemical industry, Witco has just completed the construction of a new research laboratory. Here, a larger staff, working with the most modern facilities, seeks to broaden the scope of chemicals and their manifold uses.

Complete, well tabulated information on products is valued by everyone who uses chemicals. Witco offers such information in this attractively bound book. How many copies can your company use?

WITCO

WISHNICK-TUMPEER, INC.
Manufacturers and Exporters
New York, 295 Madison Avenue • Boston, 141 Milk Street
Chicago, Tribune Tower • Cleveland, 616 St. Clair Avenue, N.E.
Dallas, Texas, 610 Dallas National Bank Building • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company • Harold Wilson & Witco, Ltd., 6 Portman Mansions, Baker St., London, W. 1, England
BUY DIRECT AND PROFIT DIRECTLY

Cumin Seed—Fustic Ext.

Cumin seed, Morocco, bgs.....lb. .16 - .16½
Cyprus, bgs.....lb. .15½- .16
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N_2, pulv., bgs., dlvd., contracts, N_2 unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10½- —
lump, dms.....lb. .09½- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .25 - —
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies...lb. .20 - —
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies..lb. .55 - —

D

Damiana leaves, bls.....lb. .25 - .26
Dandelion root, German, bls...lb. .42 - .45
Deertongue leaves, bls.....lb. .14 - .15
Degras common, dom., bbls...lb. .08½- .09½
English, bbls.....lb. .08½- .09½
neutral, dom., bbls.....lb. .13½- .16½
English, bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt, equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .24 - .28
2,000 lbs. to 10,000 lbs...lb. .26 - .30
1,000 lbs. to 2,000 lbs.....lb. .28 - .32
200 lbs. to 1,000 lbs.....lb. .30 - .34
4% rotenone prices are 6c. per lb. less.
Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Derris, extract, 25% rotenone, bulk, cns..lb. 4.00 - 5.00
15% rotenone, bulk, cns....lb. 2.25 - 3.25
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.05 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.70 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.90 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.65 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.85 - —
Potato, import, bgs.....lb. .07¾ Nom.
Diacetone (see under Alcohol).
Diacetyl, octs.....lb.10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., cl., dvld....lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., cl., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l, works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -35.00
l.c.l., ex whse.....ton.45.00 -50.00
import, bgs., c.l. c.i.f.....ton.23.00 Nom.
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .21½- .21½
Sebacate, dms., works.....lb. .45 - —
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylcarbonate, coml., dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbinol (see Carbinol).
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld., lb. .19 - —
l.c.l.....lb. .19½- —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethylaniliin, dms.....lb. .40 - —
Diethyleneglycol, dms., c.l., works, lb. .14½- —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, d m s., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .35 - .40
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works, lb. .19 - —
Dillseed, recleaned, bgs.....lb. .08 - .08½
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd., lb 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 80° min., lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Doggrass root, cut, bls.....lb. .15 - .18
Hungarian, bls.....lb. .24 - .25
Dogwood bark, Jamaica, bls., lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Doggrass root, cut, bls.....lb. .17 Nom.
reeds, thin. cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns.....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns...lb.27.50 - —
Green, FD&C green, No. 1, cns. lb.13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4 ,cns..lb. 2.95 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Black, D&C black, No. 1, lb. 8.35 - —
Blue, D&C blue, No. 6....lb.13.50 - —
Brown, D&C brown, No. 1, cns. lb.12.35 - —
Green, D&C green, No. 5, cns. lb.12.35 - —
D&C green, No. 6, cns.....lb.12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns..lb.15.35 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C, red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.12.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb.13.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors) for external use drugs and cosmetics:—
Blue, Ext.D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext.D&C, green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C, red, No. 1, cns..lb.10.35 - —
Ext.D&C, red, No. 3.....lb.21.65 - —
Ext.D&C, red, No. 8.....lb. 7.85 - —
Ext.D&C, red, No. 10, cns.. lb.12.35 - —
Ext.D&C, red, No. 11, cns. lb.12.35 - —
Ext.D&C, red, No. 13, cns.. lb.12.35 - —
Yellow, Ext.D&C, yellow, No. 1.. cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
38 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
50 Victoria violet.....lb. .50 - 1.00
165 Lake red C.....lb. .80 - .90
176 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .95
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.50
401 Developed black BHN, lb. .45 - .60
409 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast, black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
586 Direct brown 3GO.....lb. .35 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p. c. paste.lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
885 Nigrosin derivatives..lb. .35 - .62
Blue:—
1075 Alizarin astrol base..lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
.... Orange, red shade....lb. .75 - —
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1060 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:— 67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS...lb. 2.00 - —
Violet:—
680 Methyl violet base...lb. .90 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
873 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B...lb. 1.90 - —
1160 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y....lb. .65 - —
235 Resorcin dark brown R, lb. .55 - —
261 Bismarck brown G...lb. .40 - .52
332 Bismarck Brown R...lb. .40 - .52
796 Phosphin .....lb. 4.95 - —
Green:—
5 Naphthol green B....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene greeen B...lb. 1.55 - —
1079 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G.lb. .42 - —
87 Amidonaphthol red 6B, lb. .68 - —
78 Popceau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
183 Crocein scarlet 3BX..lb. .72 - .76
185 Cochineal red A.....lb. .60 - —
252 Brilliant scarlet M...lb. .66 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
766 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
660 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
188 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .18
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .57 - .62
imported .....lb. .51 - .53
Elder flowers, bright, bls.....lb. .38 - .39
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. 1.50 - —
tins, 100 ozs.....oz. 1.60 - —
Hydrochloride, tins, 1,000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Sulphate, cryst., tins, 1-000-oz. lots..oz. 1.25 - —
tins, 100-oz. lots.....oz. 1.35 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 with-drawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 3.75 - 3.80
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .55 - —
Sulphuric, conc., dms., 120 lbs. lb. .09 - —
cns., 27 lbs.....lb. .14 - —
Ether, synth., dms., c.l., works, lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .08 - —
l.c.l., frt. alld.....lb. .08½- —
tanks, frt. alld.....lb. .07 - —
95-98%, dms., c.l., frt. alld..lb. .08¼- —
l.c.l., frt. alld.....lb. .08¾- —
tanks, frt. alld.....lb. .07¼- —
N.F., 480 lb. dms.....lb. .09½- —
cns., 35 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55 gal. dms., dlvd., lb. .35 - —
Formate, cns., dms.....lb. .23 - .24
5 and 10 gal. dms., dlvd....lb. .75 - —
1 gal., cns.....lb. 1.00 - —
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works, lb. .33½- —
5-gal. dms., works.....lb. .37½- .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.00 - —
5-lb. lots.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
contracts, 500 lbs. or more, frt. alld..lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethyleneglycol, dms., c.l.....lb. .14½- —
l.c.l. .....lb. .15½- .15½
tanks .....lb. .13½- —
Monobutylether, dms., c.l., works, lb. .16½- —
l.c.l., works.....lb. .17½- .20½
tanks, works.....lb. .15½- —
Monoethylether, dms., c.l. works, lb. .14½- —
l.c.l., works.....lb. .15½- .18½
tanks, works.....lb. .13½- —
Monoethylether, acetate, dms., c.l., works..lb. .11½- —
l.c.l., dms.....lb. .12½- .15½
tanks, works.....lb. .10½- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
tanks, works.....lb. .14½- —
Ethylidinaniliin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .11 - .12

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works..ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13 - .13¼
French, bgs.....lb. .13 - .13¼
German, large, bgs.....lb. .33 - .34
Roumanian, bgs.....lb. .11¾- .12¾
Fenugreek seed, bgs.....lb. .04½- .05
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns....gal.12.75 -13.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.50 & .10
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.58.00 - —
wet, acidulated, 6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts..unit-ton. 3.00 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, May shipt..ton.53.50 - —
spot..ton.53.00 - —
Flake, white, bbls., kgs.....lb. .10¼- —
Fleaseed, French, black, bgs..lb. .18½- .19
Indian, blonde, bgs.....lb. .08½- .09
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.21.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.21.00 - —
Imported, 85.5, duty paid, short ton.25.00 Nom.
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines..ton.15.00 - —
import., bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl. dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls....lb. .24 - .25
liquid, bbls.....lb. .16½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10 Nom.
Cubes, Singapore, cases....lb. .09 Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal.. .06¾- .07½
California, 54-58, tanks...gal. .05¾- .07
Gulf Coast, U. S. Motor, bulk, gal. .06¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
63-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. .06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04 - .04¼
63-66 octane, tanks....gal. .04⅝- .04½
67-69 octane, tanks....gal. .04½- .04⅝
70-72 octane, tanks....gal. .04⅝- .05
Oklahoma-Texas, Us motor, 62 octane and below, tanks..gal. .03½- .04
third grade, tanks.....gal. .03½- .04
63-66 octane, tanks....gal. .03⅝- .04
67-69 octane, tanks....gal. .04 - .04¼
70-72 octane, tanks....gal. .04½- .04⅝
natural, 12-lb. v.p., tanks, gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¾- .01½
18-lb. v.p., tanks.....gal. .01½- .01⅞
22-lb. v.p., tanks.....gal. .02 - —
26-70-lb. v.p., tanks...gal. .01¼- .01½
below 60 octane, tanks..gal. .02 - —
65 octane, tanks.....gal. .04 - —
52-54 450 e.p., naphtha, tanks..gal. .03 - —
gal. .01½- .01⅞
14-lb. v.p. tanks.....gal. .01¼- .01½
Gelatin, silver, oz.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .14 - .15
grd., bbls., bxs.....lb. .16 - .17
powd., bbls., bxs.....lb. .17 - .18
Geraniol, cns., dms.....lb. .60 - 3.00
Gingeer root, African, bgs.....lb. .07 .07¼
Cochin, lemon, bgs.....lb. .08½- .09
Jamaica, bold, bgs.....lb. .12¼- .12⅝
medium, bgs.....lb. .09 - .09¼
grinding, bright, bgs.....lb. .08¾- .09
Japanese, bgs.....lb. .08⅜- .09¼
Ginseng root, wild, Southern, cs.. lb. 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.10
5 tons or over, works.... 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., divd..lb. .13½- —
l.c.l., divd.....lb. .14 - —
34/53, bgs., c.l., divd.....lb. .13 - —
l.c.l., divd.....lb. .13½- —
53/82, bgs., c.l., divd.....lb. .14½- —
l.c.l., divd.....lb. .15 - —
83/108, bgs., c.l., divd....lb. .15 - —
l.c.l., divd.....lb. .15½- —
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., divd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
89/144, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
97/122, bgs., c.l., same basis, lb. .17½- —
l.c.l., same basis.....lb. .18 - —
78/222, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/288, bgs., c.l., same basis, lb. .20½- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis, lb. .21 - —
l.c.l., same basis.....lb. .22 - —
118/347, bgs., c.l., same basis..lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .12¾- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., divd.lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11⅝- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., divd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, divd..lb. .08¾- .09
soaplye, basis 80%, dms., tanks, returnable, divd..lb. .07¼- .06¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs.....lb. .12 - .12½
Goldenseal, root, bls.....lb. 3.65 - 3.85
powd., bxs.....lb. 3.90 - 4.10
Grains of paradise, bgs.....lb. .38 - .39
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
Graphite, amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works, lb. .02¼- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03½- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03⅝- —
l.c.l., works.....lb. .04¼- —
Grease, house, loose.....lb. .04½ Nom.
White .....lb. .04⅝ Nom.
Yellow .....lb. .04¼ Nom.
Wool (see Adeps lanae and Degras).

Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07⅝- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08⅝- —
28-29%, bbls., same basis.lb. .09¼- —
Green, chrome, reduced CP, color content, 30-31½, bbls., same basis..lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .29
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .30 - .35
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.97
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.35
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .08½- .09
white, sorts, 1, bgs.....lb. .28 - .29
2, bgs.....lb. .27 - .28
powd., bbls.....lb. .12½- .13
Asafetida (see A).
Asphaltum (see A).

G Salt—Gum Copal

Gum, benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .17 - .18
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .34 - .35
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
Copal, Congo, cloudy, white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .23½- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13½- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13⅜- —

Weatherproof as

NO. 1331
BECKOSOL
LONG OIL PURE ALKYD
TYPE 2L-2
COLOR
ACID NO. 3-6

With good alkali, water and weather resistance, formulators are finding No. 1331 Beckosol especially durable on exterior surfaces.

This outstanding RCI product is a pure alkyd of the full oxidizing type which combines in a single vehicle these advantages: very pale initial color—good color retention—gloss—long lustre life—excellent through hardness—good grinding properties in stone and roller mills.

Whatever your formulating requirements are, the complete line of RCI synthetic resins will provide the answer. Your inquiries are invited by Reichhold Chemicals, the world's largest producer of surface coating synthetics.

RCI WORLD-WIDE DISTRIBUTION

REICHHOLD CHEMICALS INCORPORATED
DETROIT MICHIGAN

Gum, Copal—Lecithin

Gum, copal, Congo, 11, hard dark amber bold, bgs., c.l., same basis..lb. .12⅜- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅜- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09⅛- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅜- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅜- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅜- —
22, small mixed nubs, bgs., c.l., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —

Batu, bold, scraped, bgs., c.l., same basis..lb. .06⅝- —
unscraped, bgs., c.l., same basis..lb. .05⅝- —
chips, bgs., c.l., same basis..lb. .05 - —
dust, bgs., c.l., same basis..lb. .04⅜- —
nubs and chips, bgs., c.l., same basis..lb. .05 - —
black, bold, scraped, bgs., c.l., same basis..lb. .06⅝- —
unscraped, bgs., c.l., same basis..lb. .06⅜- —
nubs and chips, bgs., c.l., same basis..lb. .06⅝- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13⅜- —
chips, bgs., c.l., same basis, lb. .07½- —
dust, bgs., c.l., same basis, lb. .04⅜- —
nubs, bgs., c.l., same basis..lb. .11¾- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .14⅜- —
chips, bgs., c.l., same basis, lb. .08⅜- —
dust, bgs., c.l., same basis, lb. .04⅜- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13⅞- —
light, bskts., c.l., same basis..lb. .15⅝- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13⅜- —
C, bskts., c.l., same basis, lb. .13½- —
CNE, bskts., cl., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .12⅞- —
DK, bskts., c.l., same basis. lb. .09⅞- —
dust, bskts., c.l., same basis..lb. .06⅞- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15⅝- —
Singapore, dust, bskts., c.l., same basis..lb. .06⅞- —
spirit - soluble, CBB, bskts., basis..lb. .12½- —
DBB, bskts., c.l., same basis, lb. .12½- —
MA, bskts., c.l., same basis, lb. .09 - —
MB, bskts., c.l., same basis, lb. .08½- —
WS, bskts., c.l., same basis, lb. .12½- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .09⅝- —
chips, pale, bskts., c.l., same basis..lb. .13 - —
pale, small, bskts., c.l., same basis..lb. .11½- —
extra pale sorts, bskts., c.l., same basis..lb. .12½- —
nubs, bskts., c.l., same basis..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅝- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15½- —
mixed, bgs., c.l., same basis, lb. .14¼- —
split, bgs., c.l., same basis, lb. .13½- —
chips, bgs., c.l., same basis, lb. .08⅜- —
nubs, bgs., c.l., same basis, lb. .10¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/C, cs., c.l., same basis...lb. .15¾- —
A/D, cs., c.l., same basis..lb. .13⅞- —
A/E, cs., c.l., same basis..lb. .12⅞- —
B, cs., c.l., same basis.....lb. .20⅛- —
C, cs., c.l., same basis.....lb. .14⅝- —
D, cs., c.l., same basis.....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07⅝- —
E, cs., c.l., same basis.....lb. .10 - —
F, cs., c.l., same basis.....lb. .08 - —
Singapore 1, cs., c.l., same basis..lb. .16⅞- —
2, cs., c.l., same basis....lb. .12⅝- —
3, cs., c.l., same basis....lb. .07⅛- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis, lb. .07½- —
seeds, cs., c.l., same basis, lb. .09⅞- —
Mastic, cns., c.l., same basis as copal..lb. .10½- —
Mexican, dms., divd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs....lb. .06¼- .06⅝
less than 10,000 lbs., same basis..lb. .06½- .07
Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N. C., 75,000 lbs., contrs. or straight, c.l..lb .06⅜- .07
Gum, ester, dms., divd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07⅝
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .70 - .75
powd., bbls.....lb. .75 - .80
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, c.s., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. .85 - .90
Myrrh, USP, cs.....lb. .45 - .46
Olibanum, siftings, cs.....lb. .08 - .12
Tears, cs.....lb. .16 - .17
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .35 - .36
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs. 15.00 -15.25
Tragacanth, Alleppo, 1, cs...lb. 2.65 - 2.70
2, cs.....lb. 2.55 - 2.60
3, cs.....lb. 2.45 - 2.50
flake, bgs.....lb. No prices
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 22.45 - —
Medicine Lodge, Kans., frt. equaled..ton. 17.00 - —
bgs, c.l., f.o.b. New Brighton, N. Y., frt. equald..ton. 27.65 - —
Southard, Okla., frt. equal..ton. 17.00 - —
Sweetwater, Tex., frt. equald..ton. 21.45 - —
Acme, Tex., frt. equald.ton. 12.50 - —
Blue Rapids, Kans., frt. equald..ton. 12.50 - —
Medicine Lodge, Kans., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 14.00 - —
f.o.b. Southard, Okla., frt. equald..ton. 12.50 - —
Sweetwater, Texas, frt. equald..ton. 12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton. 12.00 - —
import, bgs., ex dock.....ton. 26.00 Nom.

H

Hawthorn berries, bgs.....lb. .26 - .28
Hellotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls. lb. .16 - .17
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03⅝- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .07 - .07⅛
Henbane leaves, bls.....lb. .45 Nom.
Henna leaves, bls.....lb. .13 - .14
powd., bbls., bxs.....lb. .16 - .17
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l. Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
Normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09¼- —
Hexalin, dms.....lb. .80 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Homatropine hydrobromide, bots., 25 ozs..oz. 13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 2.50 - 2.75
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .08½- .10
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz. 20.00 - —
Hydrochloride, bots., 4 ozs..oz. 20.00 - —
Sulphate, bots., 4 ozs.....oz. 21.75 - —
Hydrastine, 15 grs., bots....bot. 1.95 - —
Hydrastine (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. 100 vols., cbys., E. of Miss. River..lb. .03¾- .04 .20 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz. 55.00 -72.00
Hydrochloride, bots.....oz. 59.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext. liquid, 51°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .18 - .20
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP. bots.....lb. 32.00 34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.30 - —
kgs., 150 lbs., less 5%.....lb. 1.21 - —
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
tincture, USP, bbls., 47 gals. gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.50 - 2.55
alpha, extra, bots.....lb. 4.00 - 4.05
alpha beta, bots.....lb. 2.25 - 2.30
beta, bots.....lb. 4.10 - 4.15
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .28 - .30
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut., cbys., works, frt. alld. or equald...lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .86
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .54
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .060 - —
tanks, works.....lb. .059 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jarborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .33 - .38
powd., bbls., bxs.....lb. .36 - .41
resin, lump, 100 lb. lots, cns. lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. .12 - .15

K

Kamala, tins.....lb. .35 - .36
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-48 w.w., tanks, gal. .0390- .06½
Gulf ports, p.w., bulk.....gal. .07⅜- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅞- —
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04½
42-44 w.w., tanks.....gal. .04½- .04⅝
Pennsylvania, 45 w.w., tanks, gal. .04⅞- .05
46 w.w., tanks.....gal. .05 - .05½
47 w.w., tanks.....gal. .05½- .06¼
Kerosene tankwagon:—
Atlanta.....gal. .10 - —
Boston.....gal. .08½- —
Chicago.....gal. .10 - —
Cincinnati.....gal. .12 - —
Denver.....gal. .10½- —
Louisville.....gal. .09 - —
Minneapolis.....gal. .104 - —
New Orleans.....gal. .11 - —
New York.....gal. .08½- —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No Prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.25 - 6.50
Middlewestern, trcs.....100 lbs. 6.65 - 6.75
Neutral, trcs.....100 lbs. 7.00 - 7.25
Western, choice, trcs..100 lbs. 6.75 - 6.85
Compound, trcs.....100 lbs. 9.25 - 9.50
Larkspur seed, bgs.....lb. .90 - 1.00
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .05¼- .05⅝
Turkish, bls.....lb. .05 - .05½
Lavender flowers, ordinary, bls.lb. .35 - .37
medium, bls.....lb. .40 - .42
select, bls.....lb. .45 - .47
Lead acetate, white, broken, bbls. lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs., c.l.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic, sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
l.c.l., dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, pots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5 lb. bots..lb. 2.66 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lbs. cont., f.o.b. works..lb. .19 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash...lb. .07¾- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and and Wash..lb. .08¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. .....lb. .08¾- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
other points.....lb. .08 - —
smaller lots, Ala., etc.lb. .08⅝- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .08½- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
l.c.l., smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls....lb. .09½- —
pale, bbls.....lb. .11¼- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .26 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. alld., lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic, carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., dlvd., Ariz., etc. lb. .06⅝- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12⅜- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55

Lecithin, tech., grades 2 or 3, dms., c.l., same basis....lb. .87½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis...lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. .18 - .19
powd., bbls.....lb. .24 - .25
root, cuttings, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .10 - .11
select, bdls., cs.....lb. .20 - .25

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich.....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 6.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —

hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —

Lime, spray, paper bags, f.o.b.
Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08¼- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50 dms.....gal. .11 - .15
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1 includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N.Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.10 - 3.30
Linalyl acetate, cns.....lb. 2.00 - 3.00
Linden flowers, with leaves, bls.lb. .32 - .35
without leaves, bls.....lb. .30 - .35
Linseed cake, bags, export...ton.24.00 -24.50
meal, 34%, bgs.....ton.33.00 - —

Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06¾- —
Other points.....lb. .0640- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore., and Wash..lb. .07¼- —

Litharge, comm'l, powd., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash. lb. .07¾- —
Colo., Mont., N. Mex., Wyo..lb. .07¼- —
other points.....lb. .07 - —
smaller lots, dlvd., Ala..lb. .07¾- —
Ariz., etc.....lb. .08¼- —
Colo., etc.....lb. .08 - —
Other points.....lb. .07¼- —

Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —

Litnopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)...lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .0385- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .50 - .51
Lobelia, herb, bls.....lb. .13 - .14
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dom., bls.....lb. .45 - .50
imports, bls.....lb. .45 - .60
Lupulin, N. E.. tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.00 - 4.10

M

Mace, Banda, cs.....lb. .51 - .52
Batavia, cs.....lb. .29 - .30
Siauw, cs.....lb. .40 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .28 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
U.S.P., Zone 1, c.l., bgs..lb. .08 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —

Magnesia, carbonate, USP, Zone 1, l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10¼- —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., C.l., shipments, full fr't alld. up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.

Magnesia, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., ton.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.85
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¾
Stearate, bbls., ctns., c.l....lb. .24 - —
1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .26 - —
smaller lots.....lb. .27 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs....ton.58.00 62.00
Import, bgs., duty paid...ton.58.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .58 - —
100-lb. lots.....lb. .55 - —
cns. .....lb. .75 - .80
Malva flowers, black, bls.....lb. .45 - .50
blue, bls.....lb. .45 - .60
Leaves, bls.....lb. .19 - .20
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .20½- —
Arsenate, bgs.....lb. .12 - .13½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .06½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works.....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works...ton.69.50 - —
smaller lots, works..ton.74.50 - —
burlap bgs., c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works.ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —

Lecithin

(Vegetable)

Now available in either Soya Bean Oil or Cocoa Butter carrier for prompt delivery direct from factory.

For Export, packed in 100-lb. crated steel-strapped cans or 450-lb. open-head drums.

Inquiries for these and other chemicals are invited.

TARTARIC ACID • CREAM OF TARTAR • ROCHELLE SALT
CITRIC ACID • SAPONIN • ACETIC ANHYDRIDE
ETHYLENE DIAMINE • SODIUM PERBORATE

NEUBERG CHEMICAL CORPORATION

441 LEXINGTON AVENUE, NEW YORK CITY • TELEPHONE MURRAY HILL 6-1990

Manganese Glycero.—Oil, Fuel

Manganese, glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.30 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .50 - —
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, works..lb. .08 - .08½
single bbls., works.....lb. .08¼- .08½
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.52.00 - —
l.c.l., bgs.....ton.59.00 -73.36
Mangrove bark, bgs., shipt...ton.30.00 - —
Manna flake, large, cs.....lb. .60 - .85
small, cs.....lb. .65 - .70
Mannitol, com'l grade, 98% pure, ton lots, works..lb. .42 - —
250 lbs., bbls., works....lb. .50 - —
reagent grade, 25-lb. tins, 100-lb. lots, works..lb. .95 - —
50-lb. lots, works.....lb. 1.00 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bls.....lb. .25 - .35½
Tunisian, bls.....lb. .94 Nom.
Chilean, bls.....lb. .15 - .15½
Matico leaves, bls.....lb. .29 - .39
Menthol, USP, natural, cs....lb. 3.60 - —
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms- 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see white precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib., dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Iodide, red, N.F., 5-lb. bots..lb. 4.71 - —
100-lb. fib., dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.73 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, N.F. (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.55 - —
USP, fib., dms., 50 lbs. or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib., dms.....lb. 1.73 - 1.75
fib.. dms., 25 lbs.....lb. 1.60 - 1.65
Mesityl oxide, cns., works.....lb. .20½- .22½
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs., of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.80 - 1.75
composition, 5¼x5¼ in..pkg. 1.70 - 1.60
gold, XX deep, 23K, 3⅜x3⅜ in..pkg.15.25 15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅛ in.....pkg.22.50 -23.00
3⅜x5⅛ in.....pkg.24.50 -25.00
Silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.30 - —
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

Natural, producer group B, pure, tanks, frt. alld.
Zone 1.....gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
dms., l.c.l., Zone 1....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

95%, frt. alld., prices 2c. less than pure, all zones.

Methanol, natural, 97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb. N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore., Zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Methanol, synthetic, pure, dms., c.l., Zone 1, frt. alld....gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .40½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. ald...gal. .30 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —
2, frt. alld.....gal. .32 - —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l., only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
Methyl, acetate, tech., dms., c.l., dlvd., E. of Miss. R.....lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E.of Miss. R. lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, producer group A, dms., c.l..gal. .41 - —
l.c.l. .....gal. .44 - —
tanks .....gal. .35 - —

Methyl acetone prices are frt. alld., east of Rocky Mts. Prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Natural, producer group B, tanks, Zone 1..gal. .35 - —
Zone 2.....gal. .37½- —
Zone 3.....gal. .38½- —
Zone 4.....gal. .39 - —
dms., c.l., Zone 1.....gal. .41 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .45 - —
Zone 4.....gal. .47 - —
dms., l.c.l., Zone 1....gal. .44 - —
Zone 2.....gal. .50½- —
Zone 3.....gal. .48 - —
Zone 4.....gal. .63½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Acetone, synthetic, dms., c.l., E. of Rockies..gal. .44 - —
W. of Rockies.....gal. .48 - —
l.c.l., E. of Rockies..gal. .47½- —
W. of Rockies.....gal. .51½- —
tanks, E. of Rockies....gal. .36 - —
W. of Rockies.....gal. .39½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - ..
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.75 - 2.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt., alld., E. of Rockies..lb.58 - —
Methylene blue, medcl., kgs., 100 lb. 2.90 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l.lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .10½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs. extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs., extra and returnable, c.l. works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
Mica, wet-grnd., paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E., lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
wet-ground mica prices are ½c. per pound higher west of Rockies.
Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
l.c.l. .....lb. .17 - —
Millet seed, yellow, bgs.....lb. .02¾- .03¼
early fortune, bgs.....lb. .02½- .03
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P naphtha).
Molasses, blackstrap, tanks, fo.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd., lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 oz.....oz..10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs. oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns, 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gal., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.16.00 -17.00
pods, caddies, 20 ozs.....oz.12.50 -13.50
synth, ambrette, cns., 100 lbs., or more..lb. 2.65 - —
5 lbs. to 75 lbs.....lb. 3.90 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .40 - .45
Mustard seed, California, brown, bgs..lb. .09¼- .09½
Danish, yellow, bgs.....lb. .14 - .14½
Dutch, yellow, bgs.....lb. .12 - .12½
English, yellow, bgs.....lb. No stocks
Roumanian, yellow, bgs....lb. .10½- .11
Myrobalans, J1, bgs., f.a.s...ton.28.50 - —
J2, bgs., f.a.s.....ton.24.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works, 100 lbs. 2.25 Nom.
bbls., l.c.l., works..100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
Import, bgs., c.l.f.....100 lbs. 2.90 Nom.
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis..lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07½- —
(12 oz.) same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07 - —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works,frt. alld...lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.21 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.95 - —
f.o.b. Chemical, Ill., unit-ton. 1.95 - —
East Coast producing points..unit-ton. 2.50 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. 2.40 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nutgalls, Aleppo, bgs., cs....lb. .29 - .32
Chinese .....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .22 Nom.
110s, bgs., cs.....lb. .20 Nom.
West Indian, bgs.....lb. .11½- .12
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.S..gal. .12½- —
l.c.l., G.S.....gal. .17 - —
tanks, G.S.....gal. .16½- —
Octyl acetate, dms., c.l. works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 2.00 - 2.10
s.p.a., bots.....lb. 2.10 - 2.20
sweet, true, exp., cns....lb. .75 - .80
Amber, crude, cns.....lb. .22 - .23
ref'd, cns.....lb. .75 - .80
Amyris, cns.....lb. 3.00 - 3.25
Angelica root, bots.....lb.42.00 -45.00
seed, bots.....lb.70.00 -75.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .68 - .70
Apricot, kernels, cns.....lb. .38 - .39
Babassu, tanks.....lb. .06½- —
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 1.25 - 1.30
natural, coppers.....lb. 6.75 - 7.00
Betula (see Oil, sweet birch).
Birch (see Oil, sweet birch).
Birchtar, crude, dms.....lb. .25 - .26
rectified, cns.....lb. .75 - .80
Bois de rose, Brazil, cns.....lb. 1.60 - 1.65
Cade, USP IX (see Oil, juniper tar).
Cajeput, tech., dms.....lb. .67 - .68
USP, IX, cns.....lb. .75 - .76
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrassy, cns...lb. .33 - .35
dms. .....lb. .30 - .32
white, cns.....lb. .35 - .37
dms. .....lb. .33 - .35
Cananga, native, cns.....lb. 1.60 - 1.65
rectified, cns.....lb. 2.00 - 2.35
Capsicum (oleoresin) N. F. VI, cns..lb. 2.50 - 2.75
Caraway, USP, cns.....lb. 3.25 Nom.
Cardamon, bots.....lb.15.00 -16.00
Cassia, USP, cs., dms.....lb. 1.25 - 1.30
Castor, blown, one-way dms., c.l..lb. .14¾ Nom.
l.c.l. .....lb. .15½- —
cold pressed, USP, bbls., c.l., lb. .13¼ Nom.
l.c.l. .....lb. .14 - —
cns. (1-gal), l.c.l.....lb. .17 - —
dms. (returnable), c.l...lb. .13 Nom.
l.c.l. .....lb. .13¾- —
(5-gal.), l.c.l.....lb. .15 - —
tanks .....lb. .12½ Nom.
dehydrated, dms., c.l.....lb. .1660- .1685
l.c.l. .....lb. .1710- .1750
tanks .....lb. .15½- .16
extracted No. 3, tech. bbls., c.l..lb. .12¾ Nom.
l.c.l. .....lb. .13¼- —
dms. (returnable), c.l.....lb. .12½ Nom.
l.c.l. .....lb. .13¼- —
tanks .....lb. .12 Nom.
Sulphonated, 50% (43% fat), dms., c.l..lb. .087 - —
l.c.l. .....lb. .097 - —
75% (63% fat) dms., c.l..lb. .11¼- —
l.c.l. .....lb. .12¼- —
80% (68% fat), dms., c.l...lb. .11½- —
l.c.l. .....lb. .12½- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .80 - .85
dms. .....lb. .75 - .80
Cedarwood, Oregon, cns., dms., lb. .28 - .30
Southern, cns., dms.....lb. .19 - .22
Celery, bots.....lb. 9.00 -10.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .24 - .26½
tanks .....lb. .23 - .25½
Cinnamon, Ceylon, bots.....lb. 9.25 -27.00
Seychelle, bots.....lb. 7.25 - 8.00
Citronella, Ceylon, cns.....lb. .42 - .43
dms. .....lb. .40 - .41
Java, cns., dms.....lb. .37 - .38
Clove, makers, USP, cns....lb. 1.20 - 1.25
dms .....lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .03¼- —
edible, 76°, tax incl. dms. (returnable), c.l..lb. .07⅝- —
l.c.l. .....lb. .08⅛- —
tanks .....lb. .07 - —
Cod, Norwegian, shipt., bbls.gal. No prices
Codliver, med., USP, bbls..bbl.60.00 Nom.
Coriander, bots.....lb.13.00 -15.00
Corn, crude, tanks, wks.....lb. .06¾- .06¾
refd., bbls.....lb. .08¾- .09
Cottonseed, cooking, bbls....lb. .08¾- —
salad, bbls.....lb. .09 - —
import, Brazilian, semi-refd., bulk..lb. No prices
Creosote (see C).
Croton, N.F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots.....lb. 6.50 - 7.00
Cypress, dom., bots.....lb. 5.25 - 5.50
import, cns.....lb.12.00 -12.25
Degras (see D).
Diesel, Bayonne, bulk.....bbl. 2.10 - 2.35
California, 24 plus, bulk...bbl. 1.55 - —
Dill seed, bots.....lb. 3.60 - 4.00
weed, bots.....lb. 4.00 - 5.00
Dip (see L).
Erigeron, cns.....lb. 2.15 - 2.20
Eucalyptus, cns.....lb. .69 - .72
dms. .....lb. .66 - .69
Fennel, sweet, cns.....lb. 1.90 - 2.00
Fuel, bunker, California, tidewater..bbl. .65 - .75

Oil, fuel, Gulf Coast	bbl.	.90 - .95
Louisiana, Arkansas, 10-14.	bbl.	.85 - 1.00
N. Y. and N. J. terminals:—		
Monday	bbl.	1.50 - —
Tuesday	bbl.	1.50 - —
Wednesday	bbl.	1.50 - —
Thursday	bbl.	1.50 - —
Friday	bbl.	1.50 - —
Saturday	bbl.	1.50 - —
North Texas, 18-22	bbl.	.72½- .77½
24-28, zero cold test	bbl.	1.00 - 1.10
Oklahoma, 18-22	bbl.	.72½- .77½
24-28, zero cold test	bbl.	1.00 - 1.05
24-28, 15 and above	bbl.	.80 - .85
Pennsylvania, 36-40	gal.	.03½- .04
Furnace, Bayonne, 1. bulk, refinery	gal.	.0590- .06½
2, bulk, same basis	gal.	.0540- .0560
4, bulk, same basis	gal.	.0540- .0560
Louisiana - Arkansas, 32 - 36, light straw	gal.	.03½- .03¾
Oklahoma, 28-30	gal.	.03 - —
32-36	gal.	.03¾- .03½
36-38	gal.	.03½- .03¾
38-40 zero, 60 e.p.	gal.	.03¾- .04
Fusel (see F).		
Gas, Bayonne, bulk	gal.	.0540-.0560
Gulf Coast, bulk	gal.	.06½- —
North Texas, bulk	gal.	.02¾- .02¾
Oklahoma, bulk	gal.	.02¾- .02¾
Gaultheria (see Oil, wintergreen leaf).		
Geranium, Algerian, rose, cns.,	lb.	2.75 - 3.10
Bourbon, cns.	lb.	2.75 - 3.10
Turkish (see Palmarosa).		
Grapefruit, cns.	lb.	1.55 - 1.60
Grapeseed, dms.	lb.	.40 - .45
Ginger, dist., bots.	lb.	4.50 - 4.75
Gualac wood, concrete, bots.	lb.	2.80 - 2.85
Haarlem, imported, bots.	gross	5.00 - 5.50
Hemlock, cns.	lb.	.65 - .70
Oil, juniper berry, USP, cns.	lb.	2.80 - 3.25
wood, tech., cns.	lb.	.45 - —
Juniper tar, USP XI, cns.	lb.	.55 - .65
Lard, common, 1, bbls.	lb.	.08¼- —
2, bbls.	lb.	.08 - —
extra, bbls.	lb.	.08⅝- —
1, bbls.	lb.	.08½- —
winter, strained, bbls.	lb.	.08¾- —
prime, burning, bbls.	lb.	.09½- —
prime, ined., bbls.	lb.	.09 - —
Laurel, bots.	lb.	4.50 - 4.60
Lavandin, cns., 25 lbs.	lb.	3.10 - 3.25
Lavender flower, French, 50% ester, cns.	lb.	5.25 - 5.30
38-42% ester, cns.	lb.	3.50 - 4.50
35-38% ester, cns.	lb.	3.00 - 3.05
30-32% ester, cns.	lb.	2.75 - 2.80
garden, cns.	lb.	.42 - .45
spike, Spanish, tech., cns.	lb.	1.20 - 1.85
dms.	lb.	1.15 - 1.70
Lemon, Calif., cns.	lb.	3.00 - —
Messina, coppers, cns.	lb.	3.85 - 4.50
Terpeneless, Type 1	lb.	10.50 -16.50
Type 2	lb.	8.35 -14.50
Lemongrass, native, cns., dms.	lb.	.85 - .90
Lime, dist., cns.	lb.	3.75 - 4.25
expressed, cns.	lb.	7.25 - 7.50
Terpeneless, Type 1	lb.	70.00 -75.00
Type 2	lb.	42.00 -46.50
Linaloe wood, cns.	lb.	1.30 - 1.35
Linseed, raw, bbls., c.l.	lb.	.1060- .1080
l.c.l., 10 to 60	lb.	.1100- .1120
5 to 9	lb.	.1120- —
less than 5	lb.	.1140- —
tanks	lb.	.1000- .1020
Boiled linseed oil .004 cents over raw.		
Lovage, bots.	lb.	41.25 60.00

Oil, lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms.	gal.	.20 - —
140 vis., dms.	gal.	.25 - —
green, pale, 750, 900 vis., dms.	gal.	.26 - —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms.	gal.	.26 - —
Oklahoma, bright stocks, 100-110 D. color 4, 6-10 pour, tanks.	gal.	.24 - —
15-25 pour, tanks.	gal.	.25 - —
150-160 D, color, 4½, 6-10 pour, tanks.	gal.	.25 - —
15-25 pour, tanks.	gal.	.23 - —
150-160 E, color 5½, 15-25 pour, tanks.	gal.	.24 - —
190-200 D, color 4½, 15-25 pour, tanks.	gal.	.20 - —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks.	gal.	.10½- —
180 vis., 5 color, tanks.	gal.	.13 - —
4 color, tanks.	gal.	.13 - —
200 vis., 3 color, tanks.	gal.	.14½- —
4 color, tanks.	gal.	.14 - —
250 vis., 3 color, tanks.	gal.	.15 - —
4 color, tanks.	gal.	.15 - —
280 vis., 3 color, tanks.	gal.	.16 - —
4 color, tanks.	gal.	.15½- —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour.		
Penn., bright, 600, 10-15 pour, tanks.	gal.	.28 - .33
25 pour, tanks.	gal.	.30 - .35

Oil, Fuel—Oil, Tall

Oil, lubricating, Penna., cylinder, 600 fire, tanks.	gal.	.17 - —
600 flash, tanks.	gal.	.21 - —
650 flash, tanks.	gal.	.22 - —
625 fire, tanks.	gal.	.19 - —
650 fire, tanks.	gal.	.20 - —
Warren, E, amber, tanks.	gal.	.22 - —
Warren, E, neutral, 150 vis., 3 color, tanks.	gal.	.25 - .27
190 vis., 3 color, tanks.	gal.	.27 - .29
200 vis., 2 color, tanks.	gal.	.27 - .33
spot, Penna., bright, bbls., c.l., f.a.s.	gal.	.26 - —
unfiltered, 600 s.r.	bbls., f.a.s.	.22 - —
600 flash, s.r., bbls., c.l.	gal.	.25 - —
Penna., 630 flash, bbls., c.l., f.a.s.	gal.	.28 - —
Warren, E., bbls., c.l., f.a.s.	gal.	.26 - —
smaller lots, f.o.b.	gal.	.27 - —
Mace, dist., cns., dms.	lb.	2.20 Nom.
Mandarin, superior, coppers.	lb.	5.25 - 5.45
Menhaden, crude, tanks, f.o.b. Balto.	gal.	.35 Nom.
refd., alkali, dms.	lb.	.0790- —
tanks	lb.	.0670- —
blown, dms.	lb.	.0810- —
kettle-bodied, dms.	lb.	.0910- —
light-pressed, dms.	lb.	.0730- —
tanks	lb.	.0670- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, cns.	lb.	1.60 - 1.70
dist., natural, bots.	lb.	8.50 - 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.17 - —
extra, bbls.	lb.	.08¼- —
1, bbls.	lb.	.08¾- —
prime, bbls.	lb.	.08¾- —
pure, bbls.	lb.	.12¾- —
sulphonated, common, 25% moisture, dms.	lb.	.10¼- —
Neroli, bots.	lb.	100.00 -150.00
Nutmeg, USP, cns., dms.	lb.	2.20 Nom.
Oleo, 1, bbls.	lb.	.07¼- —
2, bbls.	lb.	.07¼- —
Olticica, dms.	lb.	.17 - .18
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., dms.	gal.	1.00 - 1.05
edible, dms.	gal.	1.85 - 1.95
foots, dms.	lb.	.08¾- .08¾
sulphonated, 50% (42% fat), dms., c.l.	lb.	.09½- —
l.c.l.	lb.	.10½- —
75% (63% fat), dms., c.l.	lb.	.12½- —
l.c.l.	lb.	.13½- —
80% (68% fat), dms., c.l.	lb.	.127 - —
l.c.l.	lb.	.137 - —
Orange, sweet, dist., cs.	lb.	.90 - —
expressed, African, cns., dms.,	lb.	1.10 - 1.15
Calif., cns.	lb.	1.60 - —
Florida, cns.	lb.	1.15 - 1.20
Messina, USP, coppers.	lb.	3.80 - 5.00
	lb.	3.80 - 5.00
West Indies, cns.	lb.	2.00 - 2.10
terpeneless	lb.	42.00 -50.00
Origanum, cns.	lb.	1.80 - —
Orris, Florentine, concrete, extra strong, bots.	oz.	5.50 - 6.00
Palm, Niger, dms.	lb.	.04½- —
shipment	lb.	.03¾- —
softs, 12½%, bulk, shipt.	lb.	.02½- —
Sumatra, shipt., bulk.	lb.	.02½- —
Palmarosa, cns.	lb.	2.25 - 2.50
Palmkernel, bulk, shipt.	lb.	No prices
Paraffin, 320° flash, 60-70 vis., tanks, G 3.	gal.	.05¼- —
350° flash, 70-80 vis., tanks, G. 3.	gal.	.05¼- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
360° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	6.00 - 6.75
Peanut, crude, dom., tanks.	lb.	.06¼- .06¾
refd., edible, bbls.	lb.	.09¼- .09¼
Pennyroyal, dom., cns.	lb.	3.00 Nom.
import, cns.	lb.	2.25 - 2.50
Peppermint, natural, cns., dms.,	lb.	2.70 - 2.95
redist., USP, cns., dms.	lb.	2.95 - 3.20
Perilla, dms.	lb.	.18½ Nom.
tanks	lb.	.17½ Nom.
Petitgrain, Paraguay, cns.	lb.	1.55 - 1.60
Pimento berry, cns.	lb.	4.35 - 7.25
leaf, cns.	lb.	2.40 - 2.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.53 - .54
steam-dist., dms.	gal.	.59 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.30 - 1.35
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22¼- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Bost., Provid.	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.15 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, blown, bbls.	lb.	.17 - .17⅛
denat., bbls.	gal.	1.05 - 1.10
Red, dist. or saponif., dms., dlvd.	lb.	.07½- .08¼
tanks, dlvd.	lb.	.07 - —
Rose, artif., bots.	oz.	2.00 - 2.25
natural, coppers.	oz.	5.25 -22.50
Rosemary, Spanish, cns.	lb.	.67 - .68
dms.	lb.	.62 - .63
Rosin, 1st rectfd., dms.	gal.	.50 - —
2d rectfd., dms.	gal.	.52 - —
3d rectfd., dms.	gal.	.56 - —
Rue, bots.	lb.	3.00 - 3.25
Sage, cns.	lb.	2.00 - 3.00
Sandalwood, E. I., USP, cns.	lb.	5.25 - 5.50
Mysore, cns., case lots.	lb.	5.50 - 5.75
Sardine, crude, tanks, Pac. Cst.	gal.	.40 Nom.
refd., alkali, dms.	lb.	.0790- —
tanks	lb.	.0730- —
kettle-bodied, dms.	lb.	.0910- —
light-pressed, dms.	lb.	.0730- —
tanks	lb.	.0670- —
Sassafras, artif., cns.	lb.	.73 - .74
dms.	lb.	.70 - .71
natural, cns., dms.	lb.	1.15 - 1.20
Savin, cns.	lb.	2.20 - 2.25
Savory, cns.	lb.	3.50 - 3.75
Sesame, refd., dom., dms.	lb.	.16 Nom.
Shingle stain, bbls., c.l., wks.	gal.	.19 - —
l.c.l., works.	gal.	.20 - —
tanks, works.	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	9.50 -10.00
Soybean, dom., crude, dms.	lb.	.07 - .07¼
tanks	lb.	.06¼- —
refd., dms.	lb.	.08 - .08¾
tanks	lb.	.07¼- .07¾
Spearmint, dms.	lb.	2.20 - 2.30
Sperm, bleach, 38°, dms.	lb.	.1050- —
45°, dms.	lb.	.0980- —
natural, dms.	lb.	.0930- —
Spruce, cns., dms.	lb.	.65 - .70
Sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.55 - 1.70
Tall, crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works.	ton.	45.00 -50.00
tanks, works.	ton.	30.00 - —

OUTSELLS
ALL OTHER BRANDS COMBINED
3 TO 1
Exchange
OIL OF LEMON
U·S·P·

Sold to the American Market Exclusively by

DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.

•

FRITZSCHE BROTHERS, INC.
76 NINTH AVENUE, NEW YORK, N. Y.

Distributors for

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO. CORONA, CALIFORNIA

Oil, Tall—Pot. Oxalate

Oil, tall, distilled, dms., c.l., dlvd.	lb.	.03½- .07
l.c.l., dlvd.	lb.	.06½- .08¼
tanks, dlvd.	lb.	.05 - .06¾
refined, dms., c.l., works.	lb.	.04 - —
l.c.l., wrhs.	lb.	.04½- —
tanks, works.	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.08¼- —
tanks	lb.	.07¾- —
Tansy, cns.	lb.	6.15 - 6.25
Tar, pine, com'l, dms., dlvd. E. cities.	gal.	.26 - —
E. ports.	gal.	.25 - —
tanks, dlvd. E. cities.	gal.	.20 - —
rectfd., USP, bbls., dlvd., E. ports.	gal.	.59 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.12½ Nom.
Tea Tree (see Oil, Ti tree).		
Thyme, NF, red, dms.	lb.	.80 - 1.75
white, dms.	lb.	.95 - 1.95
Tung (see Oil, chinawood).		
Ti tree, cns.	lb.	2.30 - 2.80
Turkey red (see Oil, castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	6.00 - —
Valerian, bots.	lb.	8.00 - 9.00
Vetiver, bots.	lb.	8.50 -15.00
Whale, ref., natural, dms.	lb.	.0910- —
winter, bleach, dms.	lb.	.0950- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., dms., tech., 50-90 vis., dms.	gal.	.33 - .34
65-75 vis., dms.	gal.	.40 - .46
80-90 vis., dms.	gal.	.41 - .47
USP, 80-90 vis., dms.	gal.	.44½- .50
95-105 vis., dms.	gal.	.57 - .58
125-135 vis., dms.	gal.	.64½- .65¼
140-150 vis., dms.	gal.	.67 - .69
175-185 vis., dms.	gal.	.72½- .73¼
200-210 vis., dms.	gal.	.74½- .75¼
320-330 vis., dms.	gal.	.78 - .81
335-345 vis., dms.	gal.	.81 - .83
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.35 - 5.00
South, cns.	lb.	3.05 - 3.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	4.50 - 4.55
Wormwood, cns.	lb.	5.40 - 5.85
Ylang-ylang, Bourb., bots., cns.	lb.	2.50 - 8.00
manila, bots.	lb.	18.00 -22.00
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
ground, 325 mesh, c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium USP, cns.	lb.	11.50 -12.50
gran., cns.	lb.	12.50 -13.50
powd., cns.	lb.	12.50 -13.50
Orange Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼- —
Colo., Mont., N. M., Wyo.	lb.	.11 - —
Other points	lb.	.10½- —
Smaller lots, dlvd., Ala., etc.	lb.	.11¼- —
Ariz., etc.	lb.	.11¾- —
Colo., Mont., N. M., Colo., Mont., N. M., Wyo.	lb.	.11½- —
Other points	lb.	.11 - —
French, Tours, casks, ex dock	lb.	.13½- —
kgs., ex dock	lb.	.14½- —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.50 - .65
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.11 - .11½
Orris root, Florentine, bgs.	lb.	.14 - .17
fingers, cs.	lb.	1.15 - 1.20
powd., bbls., bxs.	lb.	.20 - .21
Verona, bls.	lb.	.16 - .17
powd., bxs., cs.	lb.	.20 - .21
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloroanilin, dms.	lb.	.60 - .75
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works.	lb.	.16 - —
l.c.l., same basis.	lb.	.16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies.	lb.	.06 - —
l.c.l., same basis.	lb.	.07 - —
100-lb. tins, same basis.	lb.	.08 - —
50-lb. tins, same basis.	lb.	.09 - —
tanks, same basis.	lb.	.05½- —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroanilin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Ortholuidin, dms.	lb.	.19 - —
Osage orange extract, cryst., bbls.,	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
51°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works.	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00
Orthotoluene hydrochloride, dms.	lb.	.22 - —
Sulphonate, kgs.	lb.	2.00 - 2.06

P

Papain, powd., cs.	lb.	1.45 - 1.50
Paprika, Bulgarian, bgs.	lb.	.24 - .24½
Hungarian, extra fancy, bgs.	lb.	.33½- .34
medium, bgs.	lb.	.30½- .31
Portuguese, extra fancy, bgs.	lb.	.31½- .32
fancy, bgs.	lb.	.30½- .31
Spanish, extra fancy, cs.	lb.	.40 - .42
Parachlorophenol, dms.	lb.	.32 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12½- .15½
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.05 - —
bbls., c.l., N.Y.	lb.	.04¾- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.05 - .05¼
bbls., c.l., N.Y.	lb.	.04¾- .0485
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.04¾- —
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.0660- —
loose, c.l.	lb.	.0625- —
125 A.m.p., bgs., c.l.	lb.	.0675- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0680- —
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0705- —
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0730- —
Paraffin, fully ref'd., 135-137 A.m.p., bgs. or loose, c.l.	lb.	.0755- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0830- —
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0925- —
151-153 A.m.p., bgs. or loose, c.l.	lb.	.70 Nom.

Refined paraffin prices in cases are 1½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.06¼ Nom.
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.06½ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.34 - —
100 to 900 lbs. shipments, same basis	lb.	.35 - —
Paraldehyde, tech., 98%, 55 and 100 gal. dms., c.l., works.	lb.	.10 - —
l.c.l., works.	lb.	.11¼- —
5 and 10-gal. dms., works.	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranisidine, dms.	lb.	.75 - —
Paranitroaniliin, kgs., works.	lb.	.47 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrophenol, kgs.	lb.	.35 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
less car lot, same basis.	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.08 - .09
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.28 - .29
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentanes norm., 28-38°, dms., c.l., G.3.	gal.	.11½- —
l.c.l., G.3.	gal.	.16 - —
tanks, G.3.	gal.	.08½- —
laboratory grade, dms., c.l., G.3,	gal.	.14 - —
l.c.l., G.3.	gal.	.25 - —
Pepper, black, Aleppey, bgs.	lb.	.07½- .07¾
Lampong, bgs.	lb.	.04 - .04½
Tellicherry, bgs.	lb.	.07¼- .07½
Red, chillies, Japan, Hontaka.	lb.	.16¾- .17¼
Mombassa, bgs.	lb.	.25½- .26
White, Java, Muntok, bgs.	lb.	.07⅝- .07¾
Singapore, Muntok	lb.	.06¾- .07¼
Peppermint leaves, dom., bls.	lb.	.35 - .40
Import, bls.	lb.	.45 - .50
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis.	lb.	.08¼- —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½- —
l.c.l., same basis.	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis.	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
l.c.l., same basis.	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.93 - 1.00
Petrolatum, amber, dms., c.l.	lb.	.03¼- —
l.c.l.	lb.	.04¼- —
amber, extra, dms.	lb.	.03¾- —
l.c.l.	lb.	.04¾- —
veterinary, dms., c.l.	lb.	.03⅞- —
white, cream, dms., c.l.	lb.	.04½- —
l.c.l.	lb.	.06 - —
lily, dms., c.l.	lb.	.05½- —
l.c.l.	lb.	.07 - —
snow, dms., c.l.	lb.	.06½- —
l.c.l.	lb.	.08 - —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.60 - 1.75
Canada	bbl.	2.10 - 2.17
Central West:—		
Illinois	bbl.	.53 - 1.00
Lima	bbl.	.90 - —
Michigan	bbl.	.82 - 1.08
Princeton	bbl.	1.05 - —
East Texas	bbl.	1.10 - —
Gulf Coast	bbl.	.74 - 1.41
Kentucky, Tennessee	bbl.	1.02 - 1.10
Louisiana, Arkansas	bbl.	.73 - 1.20
Mexico	bbl.	No prices
Midcontinent:—		
North Texas	bbl.	.51 - 1.10
Oklahoma-Kansas	bbl.	.58 - 1.10
Pennsylvania, Ohio, West Virginia:—		
Bradford-Allegany	bbl.	2.75 - —
Corning	bbl.	1.17 - —
Pennsylvania grade, in Buckeye lines.	bbl.	1.70 - —
Eureka lines.	bbl.	2.34 - —
N. Y. Transit lines,	bbl.	2.75 - —
S. W. Penn lines.	bbl.	2.40 - —
lower district in National Transit lines.	bbl.	2.63 - 2.75
Rocky Mountains	bbl.	.51¼- 1.30
South Central and Southwestern Texas.	bbl.	.73 - 1.27
Texas Panhandle	bbl.	.67 - .96
West Texas	bbl.	.53 - .96
Ether, 30-60°, dms., c.l., G.3,	gal.	.14½- —
l.c.l., G.3.	gal.	.25½- —
tanks, G.3.	gal.	.13½- —
35-60°, dms., l.c.l., G.3.	gal.	.30½- —
40-75°, dms., c.l., G.3.	gal.	.14½- —
l.c.l., G.3.	gal.	.25½- —
tanks, G.3.	gal.	.12½- —
laboratory grade, dms., c.l., G.3.	gal.	.14½- —
c.l., G.3.	gal.	.25½- —
10-gal. lots, G.3.	gal.	.50½- —
Lacquer, diluent, at refinery:—		
California, 100 i.b.p., 200 e.p., tanks, dlvd. Los Angeles.	gal.	.11 - —
San Francisco.	gal.	.11½- —
f.o.b. Richmond	gal.	.11 - —
Willbridge, Ore., Ft. Wells, Wash.	gal.	.12 - —
East Coast, tanks	gal.	.09½- .10
Group 3, toluol type, tanks,	gal.	.07⅜- —
benzol type, tanks	gal.	.07⅞- —
Naphtha, cleaners,' at refinery:—		
East Coast, tanks	gal.	.09 - .10½
Group 3, tanks	gal.	.06⅞- .07
tankwagon, Boston, ex tax,	gal.	.13½- —
Bridgeport	gal.	.13½- —
Chicago, inc. 4c. tax.	gal.	.18 - —
Decatur, inc. 4c. tax.	gal.	.1910- —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Evansville, inc, ex tax.	gal.	.15 - .16
Petroleum, naphtha, cleaners, tankwagon, Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½- —
Newark, ex tax.	gal.	.10½- —
New York, ex tax.	gal.	.10½- —
Omara, ex tax.	gal.	.1490- .1590
Oklahoma City, ex tax.	gal.	.16½- —
Philadelphia, ex tax.	gal.	.12 - —
St. Louis, inc. 1c. tax.	gal.	.15½- —
Syracuse, 150 gals.	gal.	.14½- —
smaller lots, galv. drums.	gal.	.10 - —
milk cans.	gal.	.21 - —
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway.	gal.	.18 - —
2, over 90% arom., same basis.	gal.	.19 - —
3, same basis.	gal.	.20 - —
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.15¼- —
30, same basis.	gal.	.16¼- —
40, same basis.	gal.	.16½- —
v.m.&p., at refinery—		
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo.	gal.	.11 - —
Richmond	gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 - —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles.	gal.	.10 - —
San Francisco.	gal.	.10½- —
Portland, Seattle.	gal.	.11 - —
East Coast, tanks.	gal.	.09½- —
Group 3, tanks.	gal.	.06⅞- .07
tankwagon, Boston, ex tax.	gal.	.14½- —
Chicago, inc. 4c. tax.	gal.	.17 - —
Des Moines, inc. 4c. tax.	gal.	.1890- —
Decatur, inc. 4c. tax.	gal.	.1910- —
Evansville, Ind., ex tax.	gal.	.1520- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 - —
Newark, ex tax.	gal.	.11½- —
New York, ex tax.	gal.	.10½- —
Omaha, ex tax.	gal.	.1490- .1590
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. ic. tax.	gal.	.1570- —
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½- —
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06⅞- .07
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06⅜- .07
Stoddard (CS 3-38), at refinery:—		
East Coast, tanks	gal.	.08¾- .09⅛
Group 3, tanks	gal.	.06⅞- .06¼
tankwagon, Boston, ex tax.	gal.	.14 - —
Chicago, inc. 4c. tax.	gal.	.1640- —
Decatur, inc. 4c. tax.	gal.	.1860- —
Des Moines, inc. 4c. tax.	gal.	.1840- —
Evansville, Ind., ex tax.	gal.	.14 - .15
Milwaukee, nc. 5c. tax.	gal.	.1980- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820- —
Newark, ex tax.	gal.	.09½- —
New Orleans, ex tax.	gal.	.11 - —
New York, ex tax.	gal.	.09½- —
Omaha	gal.	.1360- .14⅛
Philadelphia, ex tax.	gal.	.13 - —
St. Louis, inc. 1c. tax.	gal.	.1340- —
Tulsa, ex tax.	gal.	.10½- .11⅛
Thinners, at refinery:—		
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 - —
Portland	gal.	.11 - —
San Francisco	gal.	.10½- —
Seattle	gal.	.11 - —
198-290 b.r., 50.4 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 - —
Portland	gal.	.11 - —
San Francisco	gal.	.10½- —
Seattle	gal.	.11 - —
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles.	gal.	.10 - —
Portland	gal.	.11 - —
San Francisco	gal.	.10½- —
Seattle	gal.	.11 - —
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles.	gal.	.08½- —
Portland	gal.	.09½- —
San Francisco	gal.	.09 - —
Seattle	gal.	.09½- —
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles.	gal.	.13 - —
Portland	gal.	.14 - —
San Francisco	gal.	.13 - —
Seattle	gal.	.14½- —
East Coast, 43-47, tanks.	gal.	.08¾- .09½
47-49, tanks.	gal.	.10½- —
New Jersey, tanks	gal.	.09 - —
Group 3, tanks.	gal.	.05⅞- —
tankwagon, tax included:—		
Albany	gal.	.13½- —
Baltimore (100 gals.)	gal.	.14 - —
25-99 gals.	gal.	.14 - —
Boston	gal.	.13½- —
Bound Brook, North Amboy, N. J.	gal.	.13½- —
Bridgeport, Conn.	gal.	.11½- —
Buffalo	gal.	.15½- —
Camden, N. J.	gal.	.10 - .11½
Chicago	gal.	.1670- —
Decatur	gal.	.1810- —
Des Moines	gal.	.1790- —
Evansville, Ind.	gal.	.1420- .1520
Milwaukee	gal.	.1930- —
Minneapolis-St. Paul	gal.	.19½- —
Newark	gal.	.09½- —
New York (200 gals.)	gal.	.09½- —
Omaha	gal.	.1360- .1400
Philadelphia	gal.	.12½- —
Pittsburgh	gal.	.11½- .13½
Providence	gal.	.12 - —
Rochester	gal.	.12½- —
St. Louis	gal.	.1470- —
Syracuse	gal.	.10½- —
Trenton	gal.	.10½- —
Wilmington, Del.	gal.	.12½- —
Phenobarbital, 5-lb. bots.	lb.	3.95 - —
bots. or cns., 100 lbs., spot or contract.	lb.	3.60 - —
25-lb. cns.	lb.	3.85 - —
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.13 - —
l.c.l., same basis.	lb.	.13¾- —
under 1,000 lbs.	lb.	.14¾- —
tanks, works.	lb.	.12 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots.	lb.	.85 - —
bbls., dms., kegs, 100-250 lbs.,	lb.	.87 - .89
yellow, fib. dms., 2,000-lb. lots,	lb.	.80 - —
100-lb. fib. dms.	lb.	.82 - —
25-lb. dms.	lb.	.87 - —
50-lb. kgs.	lb.	.84 - —
Phenyl chloride, dms.	lb.	.17 - —
Phenylacetaldehyde, bots.	lb.	2.10 - 2.50
Dimethylacetate, cns.	lb.	14.50 -15.00
Phenyl ethyl acetate, cns.	lb.	2.45 - 2.50
Phenylethylphenyl acetate, bots.,	lb.	7.90 -15.50
Phenylhydrazine, base, CP, bots.	lb.	4.00 - —
hydrochloride, CP., bots., works.	lb.	4.00 - —
commercial, kgs., works.	lb.	1.50 - —
pure, bbls., works.	lb.	2.25 - —
Phloroglucinol, CP, tins, wks.	lb.	20.00 -22.00
tech., tins, works.	lb.	15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines.	long ton.	4.35 - —
land pebble, 68% min., bulk, mines.	long ton.	1.90 - —
70% min., bulk, mines.	long ton.	2.15 - —
land pebble, 72% min., bulk, mines.	long ton.	2.40 - —
75% basis, 74% min., bulk, mines.	long ton.	2.90 - —
Tenn., 72% bulk, mines, long	ton.	4.50 - —
75% bulk, mines.	long ton.	5.50 - —
Phosphorus, red, cs.	lb.	.40 - .44
yellow, dms.	lb.	.18 - .20
cases	lb.	.23 - .25
Oxychloride, cyls.	lb.	.15 - .18
Pentoxide, dms., c.l., works.	lb.	.11 - .12
l.c.l., dms., works.	lb.	.13 - .14
Sesquisulphide, cs.	lb.	.38 - .42
Trichloride, cyls.	lb.	.15 - .16
Phthalamide, bbls., works, tons.	lb.	.35 - —
single bbls., works.	lb.	.40 - —
kgs., works.	lb.	.45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld., E. of Miss. R.	lb.	.14½- —
l.c.l., same basis.	lb.	.15½- —
Pichi leaves, bgs.	lb.	.13 - .14
Pilocarpine hydrochloride, bots., vis.	oz.	4.25 - 4.30
Nitrate, bots., vis.	oz.	4.15 - 4.20
Pimento, bgs.	lb.	.18½- .19
Pinkroot, bls.	lb.	.40 - .41
Pitch, burgundy (see B)		
Coaltar, 160° m.p., bbls., c.l., works.	ton.	19.00 - —
l.c.l.	ton.	22.00 - —
Hardwood, 1-time, dms., c.l., dlvd. Akron.	ton.	23.75 -24.00
Linseed, dms.	lb.	.05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, bbls.	bbl.	6.00 - 6.50
Plaster of Paris (see Gypsum).		
Pleurisy root, Southern, bls.	lb.	.12 - .13
Podophyllin, dms., dlvd. E. of Miss.	lb.	4.50 - 4.70
Poke root, bls.	lb.	.07 - .07½
Pomegranate bark, bgs.	lb.	.52 - .53
Root bark, bgs	lb.	.47 - .48
Poppy flowers, red, bls.	lb.	.85 - .90
Seed, Dutch, bgs.	lb.	No prices
Hungarian, bgs.	lb.	No stocks
Potash abietate	lb.	.08 - —
Acetate, tech., bbls., dlvd.	lb.	.26 - —
kgs., dlvd.	lb.	.28 - —
USP, bbls., 250 lbs.	lb.	.28 - —
kgs., 100 lbs.	lb.	.30 - —
cns., 25 lbs.	lb.	.32 - —
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 - —
demj., 50 lbs.	lb.	.12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	No prices
kgs., 100 lbs.	lb.	No prices
gran., bbls., 250 lbs.	lb.	No prices
kgs., 100 lbs.	lb.	No prices
works.	lb.	.08¾- —
Bichromate, spot, c.l., 6 casks or 10 bbls., or over, works.	lb.	.09 - —
5 casks or 9 bbls., or less, works.	lb.	.09¼- —
Bromide, USP, gran., bbls., 500 lbs.	lb.	.31 - —
fib., dms., 100 lbs.	lb.	.32 - —
Carbonate, calc., dms., c.l., works.	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works.	lb.	.05¼- —
l.c.l., same basis	lb.	.05¾- —
liquid, dms., c.l., works, frt. alld.	lb.	.03 - —
l.c.l., dms., same basis.	lb.	.03125- —
tanks, same basis	lb.	.0275- —
USP, gran., bbls., 325 lbs.	lb.	.14 - —
powd., bbls., 325 lbs.	lb.	.19 - —
kgs., 100 lbs.	lb.	.21 - —
Caustic, flake, 88-92%, dom., c.l., works.	lb.	.07 - —
l.c.l.	lb.	.07¼- .07½
import, dms.	lb.	No prices
liquid, 45% basis, dms.	lb.	.03½- .03⅝
tanks	lb.	.02⅞- —
solid, 88-92%, dom., dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06½- .06⅝
import, dms.	lb.	No prices
Chlorate, cryst., kgs.	lb.	.10¼- .12
gran., kgs.	lb.	.12 - .14½
powd., kgs.	lb.	.16 - .17½
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.04 Nom.
Chromate, kgs.	lb.	.24 - .27
Citrate, USP., gran., bbls., 250 lbs.	lb.	.33½- —
kgs., 100 lbs.	lb.	.34½- —
cns., 50 lbs.	lb.	.35½- —
cns., 25 lbs.	lb.	.37½- —
Cyanide, cns., dms.	lb.	No prices
Cyanide, gold, 11% gold, bots., works.	oz.	14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots.	lb.	1.00 - —
100-lb. lots.	lb.	1.10 - —
50-lb. lots, cbys., or cns.,	lb.	1.15 - —
25-lb. lots, cns.	lb.	1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots.	lb.	1.60 -1.65
cns., 25 lbs.	lb.	1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs.	lb.	.32 - .34
Hypophosphite, cns., 100 lbs.	lb.	.72 - —
25 to 50 lbs.	lb.	.75 - —
Iodate, bots., 5 lbs.	lb.	3.31 - 3.35
cns., 25 lbs.	lb.	3.20 - —
Iodide, bbls., 250 lbs.	lb.	1.35 - —
bots., or cns.	lb.	1.44 - 1.70
dms.	lb.	1.35 - 1.39
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	12.25 - —
Manure salt, dom., run of mine, approx. 30%, K_2O, bulk, c.i.f. ports.	unit-ton.	.58½- —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	17.55 - —
Metabisulphite, kgs.	lb.	.13 - .16
Muriate, dom., all strengths, min., 50% K_2O, bulk, unit-ton.	.53½- —	
import, all strengths, min. 60% KCl, basis 50% K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	26.75 - —
60% K_2O, bulk, ex-vessel, Atlantic or Gulf ports.	ton.	32.10 - —

Potash muriate prices in bags are $2 per ton higher than bulk price.

Oxalate, pure, cryst., kgs.	lb.	.30 - .31
tech., bbls.	lb.	.25 - .26

Potash nitrate, crude, bgs., c.i.f., ports..ton.55.00 Nom.
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .38 - .45
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100 lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100 lb. kgs.....lb. .21 - —
tech., 90-95%, min. 90%, bgs., ex-vessel, Atlantic or Gulf ports..ton.36.25 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.24.75 - —
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .45 - —
Prickly ash bark, bls.....lb. .15 - .16
Berries, bgs.....lb. .30 - .35
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .30 Nom.
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03½- —
less than 3, works....lb. .04½- —
F and 1, bbls., 3 or over, works..lb. .04 - —
less than 3, works....lb. .04½- —
O, O-½, O-¾, and ½, bbls., 3 or over, works..lb. .04½- —
less than 3, works....lb. .04½- —
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton.39.00 Nom.
l.c.l., 5-29 tons, ex whse.. ton.44.00 Nom.
1,000-10,000 lbs., ex whse. ton.46.00 Nom.
2 bgs., to 1,000 lbs., ex whse. ton.48.00 Nom.
single bgs., ex whse..ton.60.00 Nom.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 7.15 - 7.50
(30 to 1) 3.6% pyrethrin, 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gals., or more, standard brand, odorless..gal.10.65 -11.00
Flowers, coarse, grnd. (g.d.p.) Japan, bgs., frt. alld., 15 tons or over..lb. .33 - .36
fine powd. Japan, bbls., ton lots frt. alld..lb. .35 - .37
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2*, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis.....ton.12.00 - —
No. 3., 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton.10.50 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works. lb. .13 - —
dense white, cs., works..lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .06 - .06
Quebracho extract, liquid, 25% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., e.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07 - .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net, dlvd., N.Y..flask.171.00 - —
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.207.00 - —
ex store.....flask.200.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, crst., small, cns..oz. 1.01 - —
large, cns.....oz. 1.03 - —
powd., precip., cns.....oz. .96 - —
Sulphate, cns.....oz. .69 - —
Subject to surcharge of 3c. per oz.; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .80 - —
Acetate, cns.....oz. 1.02 - —
Arsenate, cns.....oz. 1.02 - —
Arsenite, cns.....oz. 1.04 - —
Bisulphate, cns.....oz. .57 - —
Citrate, cns.....oz. .75 - —
Dihydrobromide, bots.....oz. .78 - —
Dihydrochloride, bots.....oz. .78 - —
Ethylcarbonate, cns.....oz. .80 - —
Ferrocyanide, cns.....oz. 1.04 - —
Formate, cns.....oz. .97 - —
Glycerophosphate, cns.....oz. 1.17 - —
Hydrochloride, cns.....oz. .72 - —
Hydrochlorosulphate, cns...oz. .78 - —
Hydroiodide, cns.....oz. 1.02 - —
Hypophosphite, cns.....oz. 1.03 - —
Phosphate, cns.....oz. .86 - —
Salicylate, cns.....oz. .76 - —
Sulphate, USP, X, cns.....oz. .57 - —
USP, XI, cns.....oz. .64 - —
Sulphocarbonate, cns.....oz. 1.03 - —
Tannate, cns.....oz. .60 - —
Tartrate, cns.....oz. 1.00 - —
Valerate, cns.....oz. .96 - —

Quinine buyers must pay a surcharge of 3c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .78 - —
Subject to surcharge of 3c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .10 - .10½
red, bgs.....lb. .12 - .12½
Japanese, bgs.....lb. .06½- .07
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .60 - —
smaller lots, same basis. lb. .95 - —
kgs., ton lots, same basis. lb. .95 - —
smaller lots, same basis. lb. 1.00 - —
Red, cadmium, lithopone, light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis. lb. .80 - —
light shade, kgs., ton lots, same basis..lb. .80 - —
kgs., ton lots, same basis. lb. .80 - —
smaller lots, same basis. lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis. lb. .85 - —
kgs., ton lots, same basis. lb. .85 - —
smaller lots, same basis. lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis. lb. 1.05 - —
maroon shades, kgs., ton lots, same basis..lb. 1.05 - —
smaller lots, same basis. lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis. lb. .90 - —
kgs., ton lots, same basis. lb. .90 - —
smaller lots, same basis. lb. .95 - —
Selenide, bbls., dark, works..lb. 2.50 - —
light, works.....lb. 2.25 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —

Potash Nitrate—Red, Oxide

Red, crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .03¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis alizarin, lake, contracts.lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts.. lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .35
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls. lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .62 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.....lb. .09¼- —
reduced, 65%, copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio.....lb. .03¼- —
80% copperas oxide, bbls., same basis..lb. .07¼- —

Skelly Service Saves Another Costly Shutdown!

(A Letter from a Skellysolve Technical Field Man to his Chief)

Dr. A. Ernest MacGee, Manager
Solvents Division
Skelly Oil Company
Chicago, Illinois

Dear Doc:

Got your wire yesterday and left immediately for [redacted] arriving early this morning. Here's what I found.

This plant, as you know, has been using one of our special hydrocarbon fractions for several years, in a process that requires a highly skilled operator. Last week their regular operator was rushed to the hospital, and they had to use a substitute.

The new man proved capable enough until yesterday when something went wrong in a vital phase of their operation. The substitute wasn't familiar with the problem, they needed help quickly, and that's when they telephoned you in Chicago.

I found it a fairly simple matter to make the necessary correction, and by noon the plant was operating smoothly as ever. No shutdown was necessary.

Knew you'd be interested in hearing how this turned out. More details later. Leaving for Detroit at 2:30.

Sincerely,

Bob

How SKELLYSOLVE is Serving the OIL, PAINT and DRUG FIELD

The Skellysolve line includes naphthas specially fractionated for every industrial use. We furnish a complete line of V. M. & P. naphthas, mineral spirits and lacquer diluents, as well as many other special hydrocarbons with properties to fit every plant or laboratory process. Our technical staff has aided many manufacturers by helping them develop formulas for new or improved products which have proved of value.

EVERY user of special industrial naphthas recognizes certain qualities as being highly important in the product supplied him. Purity, uniformity, dependability—these are more than desirable, they are essential. But sooner or later in the experience of every user comes a time when prime importance attaches to another factor —*ability of the supplier to render special service in emergencies!* And that is where Skelly shines! Months, even years, may go by without your having need to avail yourself of this service. But when that occasion does arise, the quick and effective action Skelly is famous for may mean a great deal to you. The emergency may call for rushing you a tank truck of solvent from our Chicago bulk plant to cover a sudden shortage. It may entail double-rushing shipment by re-routing a tank car in transit, or sending you a specially trained man to correct a stubborn problem in your plant. Whatever the circumstances, you can depend on our snapping into action with all the resources at our command, to give you help when needed most! That's one more reason so many firms have found that sooner or later Skelly saves them money!

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, Skelly Oil Co., 4814 S. Richmond St., Chicago, Ill.
A. Ernest MacGee, *Manager*
WIRE OR WRITE TODAY FOR INFORMATION OR PRICES!

Red, Para—Soda Ash

Red, para, toner, concent., kegs, same basis alizarin lake, contracts	lb.	.70	—
open order	lb.	.75	—
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.04½	—
ex whse., Chicago, St. Louis	lb.	.05¼	—
San Fran., Los Ang., Portland, Seattle	lb.	.05½	—
Phloxin toner (see Red, Eosin toner)			
Phosphotungstic rhodamine Y, kgs.	lb.	3.90	—
Purple lake, kgs.	lb.	.60	1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis	lb.	.03	—
Toner, kgs.	lb.	1.50	2.00
Scarlet ink toner, kgs., same basis alizarin lake	lb.	.55	—
Lake, kgs., same basis alizarin lake	lb.	.25	.30
Spanish, oxide, bbls., f.o.b. N.Y.	lb.	.03½	—
Toluidine toner, kgs., same basis alizarin lake	lb.	1.05	—
Tuscan, bbls., f.o.b. N. Y., E. St. Louis	lb.	.11	.40
Venetian, bbls., works	lb.	.0220	—
10%, bbls., works	lb.	.0245	—
15%, bbls., works	lb.	.0265	—
20%, bbls., works	lb.	.02¾	—
25%, bbls., works	lb.	.03	—
30%, bbls., works	lb.	.03¼	—
35%, bbls., works	lb.	.0350	—
40%, bbls., works	lb.	.04	—
Vermilion, Amer., bbls., same basis alizarin lake	lb.	.15	—
quicksilver, bbls., 5 tons	lb.	No prices	
smaller lots	lb.	2.76	2.81
Red dyes are listed under Dyes.			
Red precipitate, N. F., powd., fib., dms., 50 lbs. or more	lb.	3.06	—
Red saunders wood, ground, bbls.	lb.	.12	.17
Resorcinol, tech., dms., works	lb.	.75	.80
USP, cryst., bbls., works	lb.	1.50	1.55
Rhatany root, bgs.	lb.	.12	.14
Rhodinol, bots.	lb.	5.50	10.90
Rhubarb, bots.	lb.	.60	.65
powd., bbls., kgs.	lb.	.65	.70
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't.	lb.	.23¾	—
smaller lots.	lb.	.24¼	—
powd., bbls., 5,000 lbs., 1 ship't.	lb.	.22¾	—
smaller lots.	lb.	.23¼	—
Rose flowers, pale, bls.	lb.	.45	.50
red, bls.	lb.	2.50	2.75
Rosemary, flowers, bls.	lb.	.45	.50
leaves, bls.	lb.	.07	.08
Rosin, gum, bbls., ex dock	280 lbs.	5.15	—
D, bbls.	280 lbs.	5.25	—
E, bbls.	280 lbs.	5.60	—
F, bbls.	280 lbs.	5.80	—
G, bbls.	280 lbs.	5.85	—
H, bbls.	280 lbs.	5.85	—
I, bbls.	280 lbs.	5.95	—
K, bbls.	280 lbs.	6.10	—
M, bbls.	280 lbs.	6.40	—
N, bbls.	280 lbs.	6.65	—
W. G., bbls.	280 lbs.	6.90	—
W. W., bbls.	280 lbs.	7.25	—
X, bbls.	280 lbs.	7.35	—
Rosin, wood, bbls.	280 lbs.	4.65	6.40
Rottenstone, dom., bgs., c.l., f.o.b. mines	ton.	25.50	Nom.
l.c.l., f.o.b. mines	ton.	37.50	Nom.
import, lump, bbls.	lb.	.14	Nom.
powd., bbls.	lb.	.08½	.10
Rue, bls.	lb.	.30	.35

S

Sabadilla seed, powd., bbls.	lb.	.22	.23
Saccharin, dms., 100 lbs.	lb.	1.45	—
cns., 25 lbs.	lb.	1.48	1.50
Safflower, bls.	lb.	.29	.30
Saffron, Mexican, bls.	lb.	.35	.40
Spanish, tins.	lb.	27.00	28.00
Safrol, cns.	lb.	1.05	1.10
dms.	lb.	1.00	1.05
Sage, Dalmatian, stemless	lb.	.12	.12½
garden, bls.	lb.	.13	.13½
Sago flower, bgs.	lb.	.04	Nom.
Salicin, bots., 5 lbs.	lb.	7.04	—
cns., 25 lbs.	lb.	7.00	—
Salol, gran., bbls., 200 lbs.	lb.	.90	—
bxs., 25 lbs.	lb.	.93	—
kgs., 100 lbs.	lb.	.90	—
powd., fib. dms., 25 lbs.	lb.	1.03	—
kgs., 100 lbs.	lb.	1.00	—
Salt, rock, bgs., dlvd., N.Y.	ton.	13.20	13.38
l.c.l., bgs., dlvd., N.Y.	ton.	15.00	15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y.	ton.	15.70	—
l.c.l., dlvd., N.Y.	ton.	16.60	19.70
Saltcake, grd., dom., bbls., works.	ton.	24.00	Nom.
bulk, works	ton.	17.00	Nom.
import, bulk, c.l.f.	ton.	20.00	Nom.
Chrome (see Chrome cake).			
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls.	100 lbs.	8.10	9.10
1-9 tons	100 lbs.	8.25	9.25
less than ton lots	100 lbs.	8.50	9.50
gran., bbls., 10-20 tons.	100 lbs.	7.10	—
1-9 tons	100 lbs.	7.25	—
less than ton lots	100 lbs.	7.50	—
powd., bbls., 10-20 tons.	100 lbs.	8.10	—
1-9 tons	100 lbs.	8.25	—
less than ton lots	100 lbs.	8.50	—
Santonin, cryst., cns.	kilo.	138.00	145.00
Saponin, crude, cns.	lb.	2.25	2.50
purified, cns., 25 lbs.	lb.	3.00	3.25
Sarsaparilla root, Honduras, bls.	lb.	.30	.31
Mexican, bls.	lb.	.15	.16
Sassafras, bark, ord., bls.	lb.	.13	.14
select, bls.	lb.	.20	.21
Savory, bbls.	lb.	.14	.15
Saw palmetto berries, bgs.	lb.	.08	.09
Scammony root, bgs.	lb.	.07	.09
resin, lump, cns.	lb.	.85	—
powd., bxs.	lb.	.90	—
Schaeffer's salt, bgs.	lb.	.46	—
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt.	lb.	.18¾	—
smaller lots	lb.	.19½	—
kegs, 5,000 lbs., 1 shipm't.	lb.	.19½	—
smaller lots	lb.	.19¾	—
Selenium, pwd., A, 10-lb. tins	lb.	2.00	—
100-lbs. cases	lb.	1.75	—
Senega root, bls.	lb.	.90	.93
Senna leaves, Alexandria, half leaf, bls.	lb.	.14	.15
siftings, bgs.	lb.	.13	.14
Tinnevelly, No. 1, bls.	lb.	.12	.13
2 bls.	lb.	.10	.11
3 bls.	lb.	.08½	.09
powd., bbls., bxs.	lb.	.12	.13
Pods, bls.	lb.	.09	.10
Serpentaria root, bls.	lb.	.85	.90
Shellac, bleached, bonedry, bbls., f.o.b., N.Y.	lb.	.25	.26
dlvd., Boston	lb.	.25½	.26½
Chicago	lb.	.25¾	.26¾
Pacific Coast	lb.	.28	.29
Shellac, bleached, bonedry, refd., bbls., f.o.b. N.Y.	lb.	.31	.32
dlvd., Boston	lb.	.31½	.32½
Chicago	lb.	.31¾	.32¾
Pacific Coast	lb.	.34	.35
Garnet, bgs.	lb.	.19½	—
Orange, D.C., VSO., Diamond I, cases.	lb.	.25½	.26
Superfine, bgs., f.o.b. Bost., N. Y.	lb.	.14½	—
dlvd., Chicago	lb.	.15	.15½
Pacific Coast	lb.	.17½	.18
T.N., bgs., f.o.b. Bost., N.Y.	lb.	.13½	—
dlvd., Chicago	lb.	.14	.14½
Pacific Coast	lb.	.16½	.17
Varnish, Metro., area, orange, 5-lb. cut., bbls.	gal.	1.05	1.10
4½-lb. cut, bbls.	gal.	1.00	1.05
4-lb. cut, bbls.	gal.	.95	1.00
white, 5-lb. cut, bbls.	gal.	1.15	1.20
4½-lb. cut, bbls.	gal.	1.10	1.15
4-lb. cut, bbls.	lb.	1.05	1.10
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	17.00	—
l.c.l., 2½ tons, works,	ton.	19.00	—
smaller lots, works,	ton.	20.00	—
wet-grd., 95-97%, 325 mesh, bgs., c.l., works	ton.	19.00	—
l.c.l., 2½ tons, works,	ton.	21.00	—
smaller lots, works.	ton.	25.00	—
400 mesh, bgs., c.l., works,	ton.	30.00	—
l.c.l., 2½ tons, works,	ton.	35.00	—
smaller lots, works.	ton.	38.00	—
96-98%, 325 mesh, bgs., c.l., works	ton.	20.00	—
Silica amorph., wet-grnd-96-90%, 325 mesh, l.c.l., 2½ tons, works,	ton.	21.50	—
smaller lots, works,	ton.	23.00	—
99%, 325 mesh, bgs., c.l., works	ton.	22.00	—
l.c.l., 2½ tons, works,	ton.	23.50	—
smaller lots	ton.	27.00	—
hard-quartz, 99½%, 325 mesh, bgs., c.l., works	ton.	13.50	—
l.c.l., works	ton.	18.50	—
140 mesh, bgs., c.l., works,	ton.	11.00	—
l.c.l., works	ton.	16.00	—
Silver, bullion	oz.	.84¾	—
Govt. purchase, dom., metal,	oz.	.7111	—
Govt. purchase, foreign metal,	oz.	.35	—
Cyanide, cns., 2,500 ozs.	oz.	No prices	
1,000 ozs.	oz.	No prices	
500 ozs.	oz.	No prices	
80 to 100 ozs.	oz.	No prices	
Nitrate, vls.	oz.	.26¾	—
Nucleinate, bots., cns., 480-oz. lots.	oz.	.30	.31
Proteinate, bots., cns., 480-oz. lots.	oz.	.29	.30
Simarubra barks, bls.	lb.	.30	.35
Skatol, bots.	lb.	75.00	80.00
Skullcap, Eastern, bls.	lb.	.23	.24
Western, bls.	lb.	.14	.15
Skunk cabbage root, bls.	lb.	.11	.12
Slate flour, bgs., c.l., works.	ton.	9.00	—
l.c.l., works	ton.	10.00	15.00
Sloe berries, bgs.	lb.	.12	.14
Smalt, black, extra velvet, cnts.,	lb.	.05	.08
Blue, cnts.	lb.	.07	.08¼
Snakeroot, Canada, bls.	lb.	.24	.26
Soapbark, bls.	lb.	.14	.16
crushed, bls., bbls.	lb.	.18	.20
cut, German, bls., bbls.	lb.	.35	Nom.
dom., bbls.	lb.	.22	.23
powd., bbls.	lb.	.21	.23
Soda, acetate, anhyd., dms., dlvd.	lb.	.08½	.10
flake, gran., powd., 60%, dms., c.l., dlvd.	lb.	.04	—
l.c.l., dlvd.	lb.	.04½	.05
powd., 90%, dms., c.l., dlvd.,	lb.	.06	—
l.c.l., dlvd.	lb.	.06¾	—
Alginate, dms., bbls., works.	lb.	.71	.96
Antimoniate, bbls., dlvd.	lb.	.14½	.15
Arsenate, dms., dealers, c.l., works.	lb.	.07	.08
l.c.l., dms., works.	lb.	.07¾	.08¾
Arsenite, dry, gray, dms., c.l., dealers, works.	lb.	.06½	.07½
l.c.l., dms., works.	lb.	.07¼	.09¼
white, dms., c.l., dealers, works.	lb.	.08	.09
l.c.l., dms., works.	lb.	.08¾	.10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., l.c.l., Zone 1	100 lbs.	2.13	—
2	100 lbs.	2.28	—
3	100 lbs.	2.53	—
4	100 lbs.	2.93	—
bbls., c.l., works	100 lbs.	1.85	—
l.c.l., Zone 1	100 lbs.	2.35	—
2	100 lbs.	2.50	—
3	100 lbs.	2.75	—
4	100 lbs.	3.15	—

Confidence, whether in making a parachute drop or in selecting alkalies, depends on past performance. The veteran relies on his own experience when "bailing out"—or specifying COLUMBIA. The novice must depend on the performance of others.

Confidence in COLUMBIA Alkalies comes from the good will built into them by forty years of satisfactory performance. Our interest in you does not cease when the order is obtained, filled or even shipped. Confucius might well have said, "He who forgets customer when name gets on dotted line, will be forgotten by customer another year." Realizing this, we make every effort to make sure that the goods are shipped exactly as ordered, are delivered when wanted, and to cooperate with the user to his best advantage. This is one reason why COLUMBIA performance inspires confidence.

COLUMBIA products for the glass, chemical, paper, soap, textile, food and drug industries are made in forms and grades best suited to the industry served. They are shipped in packages which best meet the convenience and facilities of the individual customer. If your requirements for Soda Ash, Caustic Soda, Sodium Bicarbonate, Modified Sodas, Liquid Chlorine or Calcium Chloride are a bit unusual, we would welcome the opportunity of consulting with you in the hope that we may suggest improvements and savings.

COLUMBIA

SODA ASH • CAUSTIC SODA • SODIUM BICARBONATE • • •
MODIFIED SODAS • LIQUID CHLORINE • CALCIUM CHLORIDE

THE COLUMBIA ALKALI CORPORATION
EXECUTIVE SALES OFFICES: 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.
Plant: Barberton, Ohio
CHICAGO • BOSTON • ST. LOUIS • PITTSBURGH • CINCINNATI • CLEVELAND • MINNEAPOLIS • PHILADELPHIA

Soda ash, dense, 58%, bulk, c.l., works..100 lbs. .95 - —
extra light, 58%, bgs., c.l.... 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
4,000 lbs. or more.....lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06⅞- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¼- .12
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
63 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
solution, 85 deg., bbls., c.l., works..100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08⅛
Chromate, spot, c.l., works....lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08⅜- —
smaller quantities.....lb. .08⅝- —
Citrate, 225 lb. bbls.....lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Cyanide, gold, 40% gold, bots., works..oz. 15.85 -17.10
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —

Soda Ash—Soda Silicate

Soda, fluoride, white, 95%, bbls., c.l., same basis..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, N.F., cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N.F., cns., 100-lb. lots..lb. .87 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd..100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd 100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works...100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., bgs., works, lb. 3.10 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars.....lb. 2.80 - —
bots. .....lb. 2.41 2.47
Mandelate, dms., 100-lb. dms..lb. 3.25 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
2-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N. Y....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, rail or boat shipment..ton. 29.00 - —
200 lb. bgs., same basis.ton. 28.30 - —
bulk, same basis.....ton. 27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .06⅜- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½

Soda nitrite l.c.l. price range represents delivery at various points.

Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate, briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.85 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works...100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.35 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works.lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10⅝- —
contracts .....lb. .09⅝- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —

SOLVAY
TRADE MARK REG. U. S. PAT. OFF.
PRODUCTS

New locations for plants and warehouse points, new equipment, new methods, the increasing of quality standards and improving the availability of its products, the affording of technical advice and assistance to users of alkalies—are all *demonstrated* evidence of Solvay's service to American industry.

Soda Ash
Caustic Soda
Modified Sodas
Special Alkalies
Heavy Duty Cleansers
Nitrite of Soda
Liquid Chlorine
Calcium Chloride
Caustic Potash
Liquid—Flake—Ground—Solid—Lump
Ammonium Chloride
Para-dichlorobenzene
Ortho-dichlorobenzene
Ammonium Bicarbonate
Potassium Carbonate
Liquid—Granular Hydrated—Dustless Calcined
47% 83-85% 98-100%

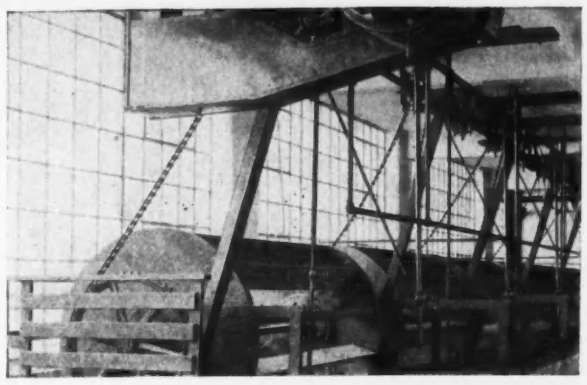
SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 RECTOR STREET NEW YORK, N. Y.
Branch Sales Offices:
Boston Cincinnati New Orleans Pittsburgh
Charlotte Cleveland New York St. Louis
Chicago Detroit Philadelphia Syracuse

Soda Silicofluoride—Tankage

Soda silicofluoride, dom., bbls.	lb.	No prices
import., bbls.	lb.	.07¼- .07¾
Stannate, dms.	lb.	No price
Stearate, lump, powd., bbls., works.	lb.	.19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works.	100 lbs.	1.45 - 1.65
5 tons or over, works,	100 lbs.	1.70 - 1.90
less than 5 tons, works,	100 lbs.	1.95 - 2.15
cryst. (see Glauber's salt).		
Sulphide, cryst., bbls., c.l., works.	100 lbs.	2.25 - —
l.c.l., 5 tons or over., dlvd.,	100 lbs.	2.75 - —
less than 5 tons, dlvd.,	100 lbs.	3.00 - —
solid, bbls., c.l., works.	100 lbs.	3.00 - —
l.c.l., 5 tons or over, dlvd.,	100 lbs.	3.50 - —
less than 5 tons, dlvd.,	100 lbs.	3.75 - —
cryst., bgs., 100 lbs., works.	lb.	2.10 - 2.35
bbls.	100 lbs.	2.30 - 2.55
Sulphite, powd., bbls., c.l.,	100 lbs.	5.25 - —
l.c.l., 5 or more	100 lbs.	5.50 - —
1 to 4	100 lbs.	6.00 - —
Sulphocarbolate, cs.	lb.	.27 - .28
Sulphocyanide, dms., cns.	lb.	.28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works.	lb.	.05½- —
l.c.l., works	lb.	.06 - —
single dm. lots, works.	lb.	.08 - —
tanks, works	lb.	.04½- —
Sulphoricinoleate, bbls.	lb.	.12 - —
Thiosulphate (see Hyposulphite).		
Tungstate, CP, kgs.	lb.	No prices
tech., kgs.	lb.	No prices
Solvent, naphtha, dms., wks.	gal.	.32 - —
tanks, E. of Omaha, frt. alld.,	gal.	.27 - —
W. Coast, f.o.b. Minnequa, Colo.	gal.	.27 - —
High-flash, dms., works, frt. alld.	gal.	.31 - —
tanks, same basis	gal.	.26 - —
Sorbitol, com'l, solut., dms., c.l., works.	lb.	.15½- —
l.c.l.	lb.	.16 - —
Soybean protein, bgs., c.l., works,	lb.	.13¾- —
l.c.l., works	lb.	.14 - —
Sparteine sulphate, cns.	oz.	1.50 - 1.60
Spearmint leaves, bls.	lb.	.28 - .29
Spikenard root, bls.	lb.	.20 - .21
Spruce extract, reg., bbls., c.l., works	lb.	.01⅝- —
tanks, works	lb.	.01½- —
powd., super, bgs., c.l., works,	lb.	.04 - —
super, bbls., c.l., works	lb.	.01⅞- —
tanks, works	lb.	.01¾- —
Squawvine, leaves, bls.	lb.	.14 - .15
Squill, red, bls.	lb.	.20 - .21
white, bls.	lb.	.11 - .12
powd., bbls., bxs.	lb.	.16 - .17
St. Ignatius beans, bgs.	lb.	.45 - .46
St. John's Bread, edible, bls.,	lb.	.09 - .11
inedible, bls.	lb.	.07 - .09
Starch, corn, pearl, bgs., f.o.b. Chicago	100 lbs.	2.80 - —
dlvd., N. Y.	100 lbs.	3.15 - —
powd., bgs., f.o.b. Chicago,	100 lbs.	2.90 - —
dlvd., N. Y.	100 lbs.	3.25 - —
Potato, dom., bgs.	lb.	.05½- .06
import, bgs.	lb.	.06½ Nom.
Rice, bbls.	lb.	.07½ Nom.
Sweetpotato, bgs.	lb.	.05½- .06
bbls.	lb.	.06 - .06½
Wheat, thick, boil, bgs.	lb.	.05½ Nom.
Starch, iodide, bots.	lb.	1.87 - —
Staveacre, seed, bgs.	lb.	.28 - .30
Stearin, oleo, bbls.	lb.	.06 - .06¼
Stillingia root, bls.	lb.	.07½- .08
Stoneroot, bls.	lb.	.07½- .08
Storax, cs.	lb.	.60 - .65
Stramonium leaves, bls.	lb.	.18 - .19
Seed, bgs.	lb.	.20 - .21
Strontium bromide, fib. dms.	lb.	.57 - .58
kgs., 150 lbs.	lb.	.55 - —
Carbonate, N.F., IV, 250-lb. bbls.	lb.	No prices
tech., 99-100%, precip., bbls.	lb.	No prices
Chloride, tech., bbls.	lb.	.20 - —
Iodide, bots., 5 lbs.	lb.	3.00 - —
jars, 25 lbs.	lb.	3.06 - —
Nitrate, dom., bbls., c.l., works.	lb.	.07¾- —
25 bbls. and over	lb.	.08¼- —
1-24 bbls. and over	lb.	.08¾- —
Strophanthus seed, Kombe, bgs.	lb.	3.75 - 4.00
Styralyl acetate, bots.	lb.	6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots.	oz	.60 - —
Acetate, 25-oz. cns., 100-oz. lots.	oz.	.79 - —
Arsenate, 25-oz. cns., 100-oz. lots.	oz.	.82 - —
Arsenite, 25-oz. cns., 100-oz. lots.	oz.	.79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots.	oz.	.80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots.	oz.	.79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots.	oz.	.91 - —
Nitrate, 25-oz. cns., 100-oz. lots.	oz.	.73 - —
Phosphate, 25-oz. cns., 100-oz. lots.	oz.	.80 - —
Sulphate, cryst., cns., 100 oz. lots.	oz.	.50 - —
powd., cns., 100-oz. lots.	oz.	.40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works.	lb.	.45 - —
tech., bbls., l.c.l., works.	lb.	.40 - —
Sugar coloring, bbls.	gal.	.75 - 1.45
Milk, bbls., c.l.	lb.	.16 - —
l.c.l., 10 or over	lb.	.17 - —
less than 10	lb.	.18 - —
Sulfanilamide, 5 lbs., bots.	lb.	1.70 - —
fib. dms., 1,000 lbs., 1 delivery,	lb.	1.25 - —
100 lbs.	lb.	1.30 - —
25-lb. lots	lb.	1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots.	bot.	1.25 - —
Sulphonethylmethane, kgs.	lb.	6.75 - 6.80
Sulphonmethane, kgs.	lb.	5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts.	long ton.	16.00 - —
f.o.b. steamers, Gulf ports, contract.	long ton.	17.50 - —
flowers, bgs., c.l., works.	100 lbs.	3.00 - —
bbls., works.	100 lbs.	3.35 - —
l.c.l., bgs., works.	100 lbs.	3.35 - 3.75
bbls., works.	100 lbs.	3.70 - 4.10
refined, broken, bgs., c.l., works,	100 lbs.	2.15 - —
bbls., works.	100 lbs.	2.30 - —
l.c.l., bgs., works.	100 lbs.	2.50 - 2.90
bbls., works.	100 lbs.	2.65 - 3.05
flour, comm'l, bgs., c.l., wks.,	100 lbs.	1.60 - —
bbls., c.l., works.	100 lbs.	1.95 - —
l.c.l., bgs., works.	100 lbs.	1.95 - 1.98
bbls., works.	100 lbs.	2.30 - 2.70
Sulphur, refined, extra fine, bgs., c.l., works.	100 lbs.	2.35 - —
bbls., works.	100 lbs.	3.20 - —
l.c.l., bgs., works.	100 lbs.	3.20 - 3.60
bbls., works.	100 lbs.	3.55 - 3.95
heavy, bgs., c.l., works.	100 lbs.	2.55 - —
bbls., works.	100 lbs.	2.90 - —
l.c.l., bgs., works.	100 lbs.	2.90 - 3.30
bbls., works.	100 lbs.	3.25 - 3.65
light, bgs., c.l., works.	100 lbs.	2.03 - —
bbls., works.	100 lbs.	3.00 - —
l.c.l., bgs., works.	100 lbs.	3.00 - 3.40
bbls., works.	100 lbs.	3.35 - 3.75
rock, virgin, bbls., c.l., works,	100 lbs.	2.15 - —
l.c.l., bbls., works.	100 lbs.	2.50 - 2.90
roll, bgs., c.l.	100 lbs.	2.35 - —
bbls., works.	100 lbs.	2.50 - —
l.c.l., bgs., works.	100 lbs.	2.75 - 3.10
bbls., works.	100 lbs.	2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld.	100 lbs.	2.00 - —
bbls., same basis, c.l., 100	lbs.	2.35 - —
refined, 100%, bgs., c.l., frt. alld.	100 lbs.	2.35 - —
bbls., same basis.	100 lbs.	2.70 - —
Chloride, 55-gal. dms., c.l.	lb.	.03 - —
l.c.l., dms., works.	lb.	.04 - —
10-gal. dms., c.l.	lb.	.07 - —
l.c.l.	lb.	.08 - —
Dioxide, liq., com'l, cyls., works,	lb.	.07 - .09
multi-unit, cars, works.	lb.	.04½- .07
tanks, works	lb.	.04 - .06
refrigeration, cyls., works.	lb.	.16 - .40
multi-unit cars, works.	lb.	.07½- 10
Iodide, bots., jars.	lb.	3.90 - 4.05
Precipitated, USP, bbls.	lb.	.17 - .22
Sumac, grd., Sicilian, f.a.s.	ton.	130.00 - —
leaf, f.a.s.	ton.	No prices
Extract, 42°, bbls.	lb.	.06 - .06¼
51°, bbls.	lb.	.07 - .07¼
stainless, bbls.	lb.	.09 - .11
Berries, bgs.	lb.	.14 - .15
Sunflower seed, Calif., large, bgs.,	lb.	.07 - .07½
medium, bgs.	lb.	.06 - .06½
poultry, bgs.	lb.	.05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.,	ton.	9.00 - —
run-of-pile, basis 16%, bulk, same basis.	ton.	8.50 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto.	unit-ton.	.70 - —

T

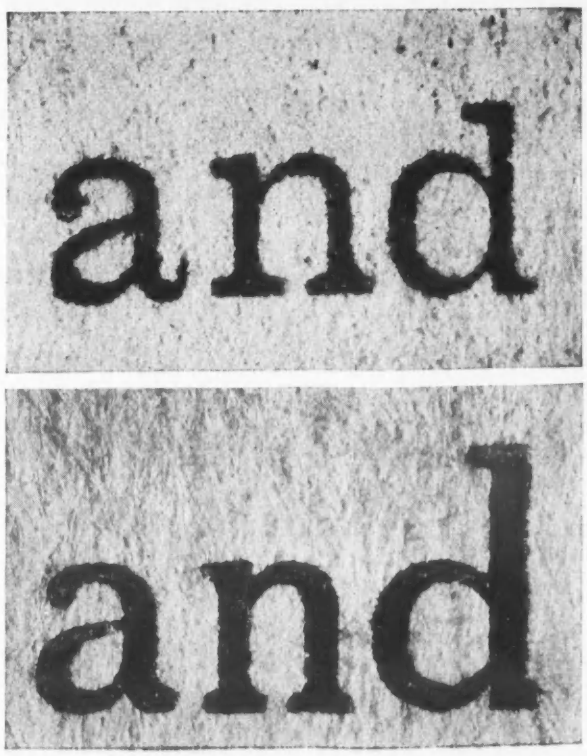
Talc, dom., Calif., 1, bgs., c.l., mills.	ton.	20.00 - —
2, bgs., c.l., mills.	ton.	17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills,	ton.	14.00 -16.00
l.c.l., mills.	ton.	16.00 -1800
96-98%, 325 mesh, c.l., mills.	ton.	15.00 -17.00
l.c.l. mills.	ton.	17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills.	ton.	15.25 -17.25
l.c.l., mills.	ton.	17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills.	ton.	17.00 -19.00
coarse, off color, bgs., c.l., mills.	ton.	11.00 -18.00
Talc, dom., fibrous, Ohio, flake type, grd., bgs., c.l., mills,	ton.	21.00 - —
l.c.l., mills.	ton.	24.50 - —
Vermont, bgs., c.l., mills	ton.	14.00 - —
l.c.l., ex whse.	ton.	25.00 - —
Canad., bgs., c.l., mills.	ton.	11.50 -13.00
French, high-grade, bgs., l.c.l., ex whse.	ton.	45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival.	ton.	23.00 -25.00
l.c.l. ex whse.	ton.	27.50 -35.00
Italian, 1, bgs., ex dock, arrival,	ton.	67.00 -70.00
ex whse.	ton.	75.00 -78.00
2, bgs., ex dock, arrival.	ton.	64.00 -67.00
Tallow, animal, edible	lb.	.05 Nom.
extra, loose	lb.	.04⅝- —
special, loose	lb.	.04½- —
sulphonated, 35% (24% fat), dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05 - —
50% (43% fat), dms., c.l.,	lb.	.05½- —
l.c.l.	lb.	.06½- —
50% (48% fat), dms., c.l.	lb.	.06 - —
l.c.l.	lb.	.07 - —
Tamarind, No. 1, bbls.	lb.	.07 - .08
Kegs	keg.	6.00 - 8.00
Tankage, animal, dom., grd., 9% ammon., 10% b.p.l., bulk.	unit-ton.	2.75 & .10
unground feeding, 9-11% ammon., 15-20% b.p.l., bulk.	unit-ton.	3.00 & .10
10-11% ammon., 15% b.p.l., bulk, Chicago.	unit-ton.	3.25 & .10



(*Above*) **NEWEST AID IN LEATHER BATING** is Cyanamid's KERALIN† Bate. KERALIN is an entirely new bating preparation—result of a four-year search for an enzyme showing extremely strong action on the grain, yet producing leather with a "round feel." Cyanamid will be glad to demonstrate its advantages.

(*Above*) **KILLS WEEDS—FEEDS CROPS.** AERO* Cyanamid Fertilizer destroys weed seeds when first applied, is hydrolyzed by soil catalysts to become a fertilizer for tobacco seeds sown later. Tobacco grown on land treated with Cyanamid the previous fall is seen at left; land at right was not treated.

life on the CHEMICAL NEWSFRONT



(*Left*) **INKS THAT "FREEZE"** promise new possibilities in high-speed printing. Solid in their normal state, the inks become fluid under influence of heat, dry instantly by solidifying again as they come in contact with the cool paper. Photomicrographs show the contrast between the fuzzy outline (upper) produced by ordinary inks that dry partly by absorption, and the sharply outlined impressions, free from run or smudge, obtained with the new cold-setting inks.

(*Above*) **VITAMINS FROM GRAIN GRASSES** are a new achievement reported by Dr. W. R. Graham at the American Chemical Society meeting last month. The dried grasses of wheat, oats, barley, and rye have been found to offer potential sources of vitamins in forms that are suitable for pharmaceutical use, for animal feeding, for human consumption.

Tankage, animal, high-grade feeding, bulk, Chicago, unit-ton. 3.35 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l. bulk, c.i.p. ports, May shipt., unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .02¾- .04½
Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .26 - —
l.c.l., same basis.....gal. .28 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd, E. cities....gal. 21. - —
Tarragon herb, bgs.....lb. .60 - .65
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, kgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .12 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots.. works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.25 - —
Sodiosalicylate, cns.....lb. 1.95 - —
dms. .....lb. 1.75 - 1.80
5-lb. bots.....lb. 2.11 - —
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .17 - .17½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns., 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.25 - 3.30
25 lbs.....lb. 3.35 - 3.40
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Tin chloride (ous), anhyd.....lb. No price
Crystals, bbls., kgs.....lb. No price
Metal, Straits.....lb. .53½ Nom.
Oxide, bbls.....lb. No price
Tetrachloride, anhyd., bbls..lb. .26 Nom.
Titanium, dioxide, bgs., c.l., 120 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse.lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13½- —
Pac. Cst., ex whse..lb. .13½- —
50-999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse..lb. .13¾- —
l.c.l., under 50 lbs., E. frt. pd..lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
bbls., c.l. (20 tons), frt. pd, lb. .13¼- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .12½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Titanium, dioxide, bbls., l.c.l., Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l. (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15½- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd..lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd. lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd., lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
barium or magnesium base, bgs., c.l., D. frt. alld., lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse..lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse..lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. cst., ex whse.....lb. .05¼- —
under 50 lbs., E., dvld....lb. .06 - —
bbls., c.l., D., frt. alld.....lb. .05½- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. cst., ex whse.....lb. .05½- —
under 50 lbs., E., dlvd....lb. .06¼- —
Tolidin base, distilled, kgs.....lb. .90 - —
Tolu, balsam, cns.....lb. 1.40 - 1.50

Tankage—Valonia

Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .30 - —
tanks, E. of Omaha, frt. alld., gal. .25 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .25 - —
1° nitration, dms., returnable, gal. .31½- —
tanks, E. of Omaha, frt. alld., gal. .26½- —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, ton lots, 475 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
works.....lb. .46 - .48
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D. Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev. Wash., Utah and Cal.

Tricresyl phosphate, CP. cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 99%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07 - .07¼
Madras, bgs.....lb. No stocks
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .33½- —
l.c.l., 10 ex dock.....gal. .35½- —
5 ex dock.....gal. .37½- —
wood dest., dist., dms., dlvd. E. cities, ports..gal. .29 - .31
tanks, dlvd. E. cities....gal. .25 - —
steam-dist., dms., c.l., dlvd.gal. .29 - —
l.c.l., dlvd.....gal. .32 - —
tanks, dlvd.....gal. .24 - —

U

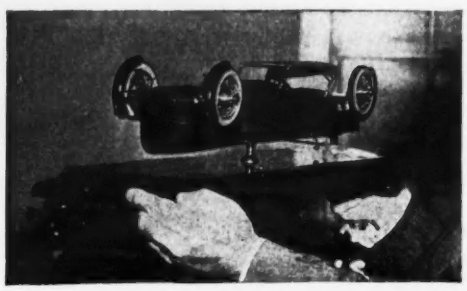
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.05 - —
yellow, kgs.....lb. 2.00 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.a.s. Belle, W. Va..ton.85.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton.85.00 - —
46% N., bgs., smaller lots, f.o.b. N. Y. from whse., ton.101.00 - —
pure, cs.....lb. .18 - —
Urea-ammonia liquor, nitrogen basis, tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.121.88 - —
Urea, nitrogen, imported, 46% N., bgs..ton.56.25 - —
30% N, bgs.....ton.42.55 - —
ton.63.85 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. No prices
Valonia, beards, bgs., f.a.s..ton.49.00 - —
Cups, bgs., shipt., f.a.s...ton.38.00 -39.00
extract, powdered, 63%.....lb. .0565 Nom.

—Continued on page 69

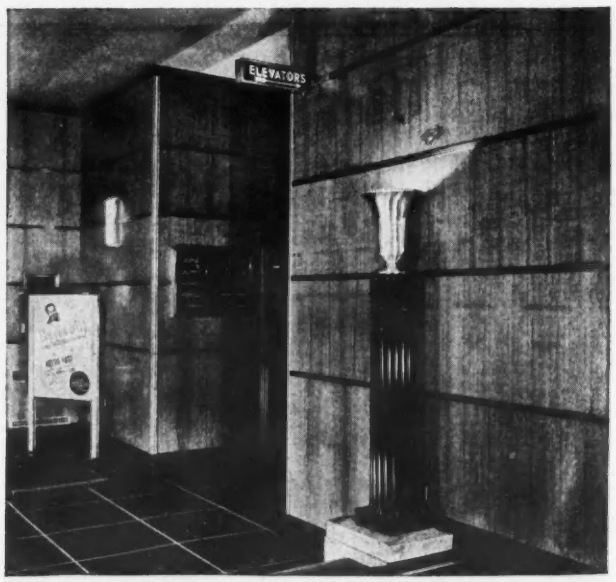
(*Right*) **TEST-TUBE FABRICS** are constantly in the news, as the pioneers of the chemical laboratory open up new economic frontiers, bring new industries and new markets into being. Typical examples of chemical wizardry in creating new fabrics from an amazing variety of raw materials are illustrated in this novel parade of fashions. Costumes shown use raw materials that include such diversified substances as safety glass; casein derived from milk; a vinegary solution; fiber glass; coke; and salt.



(*Above*) **SEA-GOING AUTOS,** now in the model stage, may soon be a reality. Such developments are constantly posing new problems for manufacturers of surface coatings. Latest aid in solving these problems is Cyanamid's revolutionary MELAMINE RESINS —ideal for formulating coatings of high durability.

(*Below*) **NEW DECORATIVE POSSIBILITIES** are opened up by another application of BEETLE‡ MELAMINE RESINS for laminating purposes. Typical instance is this interior of "Realwood"—BEETLE MELAMINE laminated wood paneling of Formica Insulation Company. BEETLE MELAMINE laminated can be produced in a complete range of light-fast colors—displays high resistance to abrasion, hot and cold water, fats, solvents, dilute acids and alkalis.

(*Above*) **FAR-FROM-COMMON CLAY** is "Alsifilm," developed by Dr. Ernst A. Hauser at Massachusetts Institute of Technology —yet clay, in the form of bentonite, is its starting point. Dr. Hauser grinds the bentonite very fine, adds water, skims off the top layer. Resulting mass can be converted into a film that is practically indestructible, resists fire, alkalis, acids.



American Cyanamid & Chemical Corporation
30 ROCKEFELLER PLAZA · NEW YORK, N. Y.
*Registered U. S. Patent Office. †Trade-mark. ‡Trade-mark of American Cyanamid Company

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York, U. S. A. Telephone REctor 2-9820. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, the New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers' Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Member—Audit Bureau of Circulations.

Entered at the Post Office at New York as second-class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1940, by
Oil, Paint and Drug Publishing Company, Inc.

Vol. 137 May 13, 1940 Number 20

Potash Industry Advised

Out of its study of the affairs of the potash industry the Department of Commerce has prepared some advice for that business group for which it had volunteered as an intermediary and for the Department of Justice which had asked it to delve into the matter. The advice would make some important changes in the price and sales policies of the industry. In part it reflects the opinion more or less widely and soundly held that the consumer can be offered lower prices by changing the distribution system.

There is economic logic in that part of the advice which suggests a sort of basing-point, rather than freight-allowed, system of pricing potash. Something of benefit might result to the fertilizer industry from the suggested multiple-discount system, because the industry has met disadvantages and disturbances in the conditions, especially cancellations, at which the suggestion is aimed.

Reduced to a practical basis the first-mentioned suggestion leaves some doubt in the minds of those who feel that the consumer should not be penalized in proportion to the distance of his location from a source of supply. This question is one on which economists, both theoretical and practical, split widely in opinion. The consequences of the suggested change would not on the whole be serious on either side. The suggestion reflects at least the majority of economic opinion, and it points directly to the officially cited "government's interest in some of the industry's problems"—and in the not mentioned agricultural population of the Middle West.

But, the departmental advice which most reflects its interest in the consumer is that the potash industry modify its sales policy so as to permit consumers to purchase direct from producers. Whether there lurks in this an idea of governmentally supplied phosphatic plantfood for home mixing cannot be said. But, the suggestion is of doubtful practicability or desirability. Credits are a factor. Distributors in no line are favorable toward direct selling by producers, and are likely to turn to other sources of supply.

Calmness Is Imperative

The further spread of the war in Europe faces American business with a bigger problem of potential seriousness. This exists not so much because of the possible involvement of the United States as because, with all its resources, this country is not self-sufficient in respect of all essential raw materials.

The natural response of business to the possibility of scarcity of materials was in evidence when the war broke out last Fall. It should be clear to all that the rush at that time to buy and to hoard was more detrimental than beneficial.

Calmness and confidence are imperative now. Panics are to be avoided at any cost. Business must be guided in its functioning by conservation, not by consternation.

—O-P-D—

Pharmacy's Problem-Child

It is gratifying to find the drug industry manifesting appropriate concern with respect to the effects of the dormant, but not dead, proposal to have the Federal government provide at least a large measure of the direction, if not of the functioning, in making medical care more widely available to the people. The seriousness of the pharmacal aspects of this movement have been noticed in these columns on several occasions. Most, if not all, members of the American Drug Manufacturers Association were in earnest agreement in the convention last week with the views expressed by the president of the organization:—

> And now we come face to face with a serious situation, which has been coming closer each year. At first we ignored the problem, or paid but slight attention to it, because of the fact that its approach was so slow. The now exploded expression, "It can't happen here!" describes rather well our seeming complacency of the past. I refer to the No. 1 problem-child now in our laps. This problem-child has many names and more misnomers. I call it "Compulsory Sickness Insurance." Some still insist, wrongfully, upon referring to the problem as "Socialized Medicine," while others more aptly discuss the problem of "Medical Care."

By whatever name it is more or less accurately designated, this "problem-child" is likely to grow to alarming proportions. The first truth in its proper consideration is that it cannot be killed off; it must be trained to behave according to accepted and proper standards. The training must be done by the medical profession and the drug trade—it is not a job in which politicians would or could prove capable. Medical care must be better fitted to the needs of the people as a whole. If this demands some sort and some measure of subsidization, the two related callings will be wise to provide a means of making this available without involving further paternalistic—it is becoming maternalistic in some respects—anxiety and consideration on the part of the Federal government.

A large part of the dealing with this problem calls for prophylactic methods to check its spread. Another large part is the education of the public. And both of these must necessarily be more largely performance than propaganda. The latter is necessary; for like must be opposed with like. But, doing what is needed to provide what is patently required will accomplish far more than saying will avail as a dam for the flood of promotive activity.

Industry in general suffers in an existing Wagner law the consequences of its apathy or overconfidence with respect to that legislation in its formative stages. It did happen here, and the courts have called it good—largely on the basis of its purpose. Another Wagner act impends. It is good in abstract purpose, but again performance is the criterion—and it would not perform satisfactorily in any desirable respect. So, medicine and pharmacy, awakened to the peril that threatens, should set forth on a joint expedition to carry real medical service to the needy, not at a financial loss, but perhaps at a lesser unit return, which would be far, far better than an eventual none.

—O-P-D—

Progress Pinches

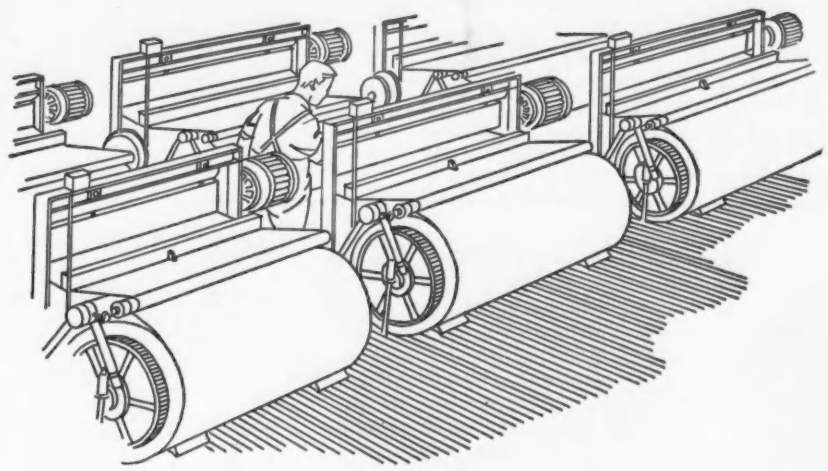
It is not only employment, or annual earnings of workers, that is apparently affected adversely by the ramifications of technologic progress in industry. The effects of this on less progressive competitors are well known. The bigger effects manifested in the competition between industries have more recently been getting attention. There comes now another sort of technologic repercussion which causes one line of business to complain against another, although the two are not competitive in the ordinary sense of the term.

Everybody knows, in general terms at least, what the coming of the automobile did to the carriage-building industry and to the calling of the harnessmaker. There is some evidence that this comparatively recent innovation did something for the petroleum industry by its created demand for gasoline—once a waste-product—and for lubricants. Whether this has been wholly good for the petroleum industry is at times a debatable question among those who differ as to how much gasoline is going to be needed to keep the country's automobiles going during the next season.

This aspect of the question of whether the automobile has been an unqualified boon to the petroleum industry has become more significant with the technologic progress of the latter by means of which it has been enabled to make several times as much and many times better gasoline out of a given quantity of crude oil. The arguments are tending in the direction of those which conflict so much with respect to the net effects of the motorization of the farm. But, the newest antitechnology wail comes from another angle.

Some oil men are beginning to attribute their shrinking earnings to the fact that the makers of automobiles are turning out cars which consume all too little gasoline and require nothing like enough replenishings of lubricating oil. A movement is reported to have been launched in the petroleum industry for a "cooperative" entente with the automotive industry aimed at a revision of the habit of distributors of automobiles which makes oil economy a big selling point and, so it is said, cut the consumption of lubricating oil in this country $14,000,000 in the past two years.

There's something to the idea, because the petroleum industry in its technologic progress has helped the sale of automobiles. Reciprocity is, in a way, indicated as logical. But, how would the idea fit into the big movement to develop better relations for business with the consumer? How will he look at being deprived of some millions of dollars of saving?



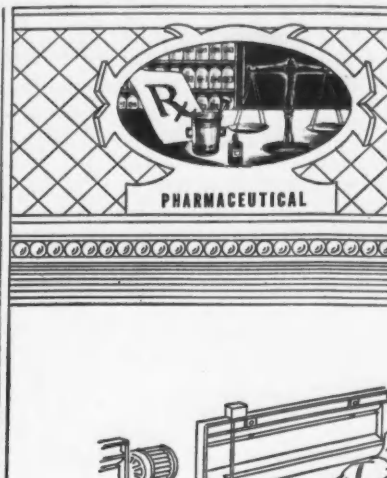
A Tribute to the Textile Industry

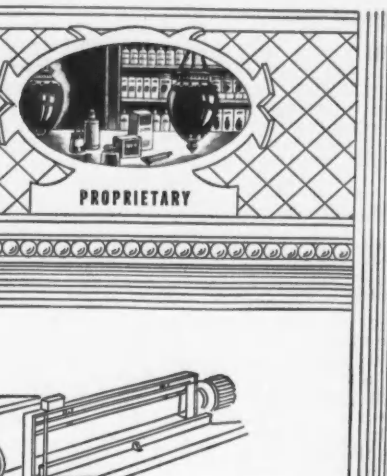
Homespun clothing was still worn by men and women in many a rural section of our country ninety years ago, when the firm of Chas. Pfizer & Co. was founded. Today homespun garments are museum pieces and America's great textile industry can take just pride in the amazing achievements that have enabled it not only to clothe a nation but to win for that nation the title of "best dressed people in the world". We in turn are proud to know that Pfizer chemicals have contributed to the growth and development of this mighty industry in the past and are contributing today to the astounding progress now being made in the realm of synthetic fabrics and in the improved manufacture of textiles of every kind. Today, as from its inception, the name Pfizer stands for unquestionable quality and dependability.

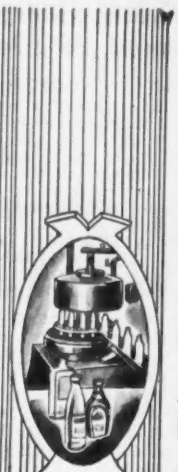
Manufacturing Chemists

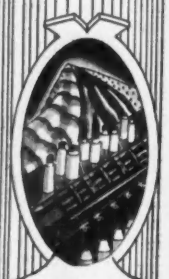
CHAS. PFIZER & CO., INC.

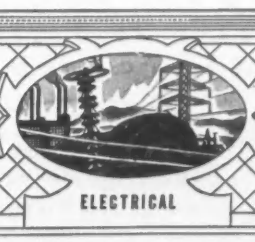
81 MAIDEN LANE, NEW YORK, N. Y.
444 W. GRAND AVE., CHICAGO, ILL.











McK.&R. Reorganization Planned for 1940

—*Continued from page* 3

That he expected to recover $863,000 in Federal income taxes as refund of payments made on fictitious income over a period of five years. An additional $75,000 in tax refunds from various States would be recovered as soon as settlements are completed with the Federal government, he said.

That up to April 30 last, under court orders, a total of $264,863 in cash had been paid to merchandise creditors having claims of less than $1,000.

Discussing the recovery of assets believed still to be in the hands of Coster's associates, Mr. Wardall said that he intended to press claims against Coster's estate "and all persons who took part in the defalcation and frauds against the company," but had delayed formal action pending the conclusion of the criminal trial now going on in the Federal Court.

He also said that he was in process of negotiating a settlement with representatives of directors who are executive officers of the company, in respect to claims for personal liability for payment of illegal dividends and for legal negligence prior to the trustee's appointment. The settlements being discussed involve only possible civil liability, the trustee declared, stating that as far as he knows no assertion has been made by any one, reflecting on the honesty and integrity of these officers in their conduct of the business.

He said he was hopeful that the settlement of such claims could be made without disrupting the organization or harming the business. Notification has been given by the trustee to all directors of the claims which he is preparing to assert.

Mr. Wardall also referred to a possible claim against Price, Waterhouse & Co., former auditors, based on legal negligence. He said he was studying the testimony taken in the Securities and Exchange Commission's examination of this firm to determine whether a cause of action exists.

Glass Center Previewed At N.Y. World Fair

A 100 percent increase in employment within the glass industry since 1939, new glass products of high value to medicine, surgery and science and lower costs of products to consumers were among the things announced by the chief executives of four major glass companies at the special preview of the Glass Center at the New York World Fair.

Speakers were William E. Levis, president of Owens-Illinois Glass Company, Toledo; Clarence M. Brown, chairman of the board of the Pittsburgh Plate Glass Company; Amory Houghton, president of Corning Glass Works, Corning, N. Y.; Harold Boeschenstein, president of Owens-Corning Fiberglas Corporation, Toledo; and Harvey D. Gibson, chairman of the board of the 1940 Fair. Robert L. Hamill, president of Glass, Inc., building and operating corporation for Glass Center, introduced the speakers.

F.D.A. Transfer Disapproved by House

—*Continued from page* 3

cosmetic act since its inception. It has done so with fairness and in a manner which has met the general approval of both manufacturer and consumer. It has the personnel and equipment to make the necessary analyses and to set the required standards, and in the determination of violations and other matters of enforcement much of the work has a direct relation to other activities of this department.

Now, to transfer this enforcement activity to the Social Security Agency is to rob this act of its years of successful and satisfactory enforcement experience to place it under the jurisdiction of an agency wholly unequipped to handle such enforcement.

Such a transfer, with all the best intentions in the world of all those concerned cannot but be a step backward in the enforcement of one of our important protective statutes.

Lalor Foundation Makes Seven Research Awards

Wilmington, May 7, 1940

The board of trustees of the Lalor Foundation announced today the names of winners of seven awards for research in chemistry for the academic year 1940-41. These awards, this year totaling $14,650, are designed to enable men and women of outstanding ability to carry on special investigations at important research centers in the United States or abroad. The recipients of the awards were chosen from a group of forty-one candidates.

The recipients of the awards are:—

Dr. Andrew Calvin Bratton, instructor in pharmacology at Johns-Hopkins University Medical School, to continue work with Dr. E. K. Marshall on chemical aspects of chemotherapy of compounds of the sulfanilamide type.

Dr. Robert Byron Jacobs of the Research Laboratory of Physical Chemistry of the Massachusetts Institute of Technology, to continue work with Dr. F. G. Keyes on the fundamental properties of material at low temperatures.

Dr. Joseph O. Hirschfelder, research associate at the University of Wisconsin, to work with Dr. Linus Pauling of California Institute of Technology in an investigation of the best ways and means for calculating the quantum mechanical energy of molecules.

Dr. Jane Anne Russell, University of California, to continue bio-chemical investigations under Dr. C. N. Long at Yale University School of Medicine.

Dr. Robert M. Simha, from the University of Vienna, to work with Professor V. K. LaMer at Columbia University on the statistical problems and kinetics of polymerization in long chain compounds.

Dr. E. L. Robert Stokstad, bio-chemist of Berkeley, Calif., to work with Professor H. Borsook at California Institute of Technology on Vitamin Factor U and an unknown factor in polished rice.

Dr. Robert E. Walton, professor of pharmacology, School of Medicine, University of Mississippi, for chemical and clinical work at the University of Chicago.

The seven fellowship awards granted comprise two for work at the California Institute of Technology and one each for work at the University of Chicago, Columbia University, Johns-Hopkins University, the Massachusetts Institute of Technology, and Yale University. One woman scientist is included in the group of successful candidates.

Explosives *Priorities* Theme

The peace time uses and importance of explosives is the theme of the leading article in the May issue of *Priorities*, published by the Prior Chemical Corporation, this city. Mention is made of the differing types and conditions of work performed indicating the great variety of explosives required and the many different means employed in setting off the charges. The origin and antiquity of explosives are mentioned and emphasis is laid on the injustice of imputing to manufacturers a desire for war simply because they are in the business of making explosives.

Donald R. Myers, has joined the research staff of Battelle Memorial Institute, Columbus, Ohio.

International Nickel Company of Canada, Ltd., has approved plans for an expenditure of $132,000 for physical improvements at Huntington, W. Va., plant.

Grown In Fertile Soil

Good soil makes good natural products—and good basic materials make good factory products. The more care taken in the selection and use of materials, the better the appearance and value of the finished handiwork. Niagara Alkali Company is helping many manufacturers improve the appearance and value of their products with high quality Carbonate of Potash, Caustic Potash and Caustic Soda...and with efficient cooperation in their use.

Niagara ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

Heavy Chemicals

Some Seasonal Materials in Slightly Better Demand — Paper Chemicals Well Taken — Tin Salts Firm — Calcium Arsenate Prices on Uniform Basis

Business in the market for heavy chemicals held at fair levels last week. Shipments moved in most directions at a steady pace but inquiries for domestic account were not broadening to any degree. Volume picked up moderately from the low levels of the first quarter, however, and the outlook appeared encouraging over the next several months. Some seasonal chemicals were in slightly better request. Export business was less active, reflecting to a large extent the uncertainties in the international situation. Price tone remained firm.

Activity in the paper industry brought about more interest in such items as alumina sulphate, chlorine, soda silicate, alkalies, saltcake, soda sulphide and soda sulphite. A better seasonal inquiry was uncovered for ammonia anhydrous, carbon dioxide, refined sulphur and calcium chloride. Potash salts moved steadily. Soda silicofluoride remained in a firm position as a result of the scarcity of imported material. Copperas position was tight. Mineral acids were taken moderately. Calcium arsenate prices were placed on a uniform basis.

Alums.—Market position firm. Interest steady. March exports 219,318, valued $14,202.

Alumina Hydrate. — Withdrawals modest. Prices remain the same.

Alumina Sulphate. — Prices firm. Satisfactory demand. March exports 5,688,855 pounds, valued $64,181. of which 3,775,015 pounds went to Canada.

Ammonia Anhydrous. — Inquiries improve, shipments moderate. Prices firm. March exports 452,879 pounds, valued $53,698.

Ammonia Aqua.—Replacement buying spotty. Quotations well maintained.

Ammonia Bicarbonate.—Shipments routine. Prices remain firm.

Ammonia Bifluoride.—Firm price tone, with dealings fair.

Ammonia Carbonate. — Consumers made necessary replacements against contracts.

Ammonia Nitrate.—Market position strong. Steady inquiry. Prices unchanged.

Ammonia Perchlorate. — Transactions held to necessary requirements. Quotations unchanged.

Ammonia Persulphate.—Small quantities made up the call. Prices remain the same.

Ammonia Oxalate.—Strong market position. Shipments confined to regular channels.

Ammonia Silicofluoride. — Trading quiet. Prices steady to firm.

Ammonia Sulphide. — Buying restricted to moderate quantities as a rule.

Ammonia Sulphocyanide.—Business narrow. Prices well sustained.

Ammoniac, Sal.—New buying conservative. No change in prices with tone of market firm.

Antimony.—Demand quiet. Domestic spot metal unchanged.

Antimony Oxide.—Fair interest displayed. Prices without change.

Arsenic.—Prices held at the same levels. White material in moderate demand, while withdrawals of the red were limited.

Barium Carbonate. — Withdrawals held to moderate proportions. Prices were the same.

Barium Chlorate.—Firm price tone. Buying held to necessary needs.

Barium Chloride.—No change occurred in the prices. Business was spotty.

Barium Dioxide. — Moderate inquiry. Prices continue steady.

Barium Hydrate. — Steady inquiry, with price tone firm.

Barium Nitrate.—Market position firm. Demand was only fair.

Price Changes

Advanced

Calcium arsenate, c.l., ½c. per lb.
l.c.l., ¼c. per lb.
Soda stannate, ½c. per lb.
Tin, crystals, ½c. per lb.
Straits, ¼c. per lb.
Stannous chloride, anhy., ½c. per lb.

Reduced

Copper, electrolytic, ⅛c. per lb.
Molybdenum trioxide, pure, 5c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
150.8	150.8	150.8	146.6

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	99.6

Market news that may have developed after this report was sent to press will be found on page 4.

Bleaching Powder.—New business continued on a conservative scale. Prices were without change.

Calcium Acetate.—Quotations well maintained. Demand routine.

Calcium Carbide.—Fair buying reported. Prices hold firm. March exports, 255,551 pounds, valued at $10,330.

Calcium Chloride.—Better inquiry for dust control work, while buying from other sources was satisfactory. Market firm. March exports, 1,135,789 pounds, valued at $11,907.

Carbon Bisulphate.—Business moderately active. Prices without alteration. March exports, 481,241 pounds, valued at $21,097.

Carbon Dioxide. — Some seasonal pickup reported. Prices unchanged and firm.

Carbon Tetrachloride.—Interest in the market held fairly steady. Prices were without change.

Chlorine. — Demand continued irregular. Market position satisfactory, and prices unchanged. March exports, 847,130 pounds, valued at $22,651.

Cobalt Oxide.—Strong market position, but prices unchanged. Shipments held to regular consuming channels.

Copper.—Custom smelters selling at 11c., while primary producers hold at 11½c. per pound. Export price ranged from 11c. to 11⅛c. per pound. Business fair.

Copper Carbonate.—Buying not particularly active. Prices unchanged.

Copper Chloride.—Modest quantities made up the call. Quotations unaltered.

Copper Oxide. — Shipments moderately active. No change occurred in the prices.

Copper Sulphate.—Withdrawals re-

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Purchasing Agents, June 3-6, Cincinnati.
Manufacturing Chemists, June 6, Skytop.
Synthetic Organic C.M.A. outing, June 6-7, Skytop.
Insecticides and Disinfectants, June 17-19, Lake Wawasee.
DCAT outing, Oct. 18-19, Skytop.

Turner
LIQUID CAUSTIC SODA
DRUMS-TANK CARS-TANK WAGONS
JOSEPH TURNER & COMPANY
RIDGEFIELD, N. J.
83 EXCHANGE PL. PROVIDENCE
630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

STAUFFER
A dependable Source of Supply since 1885
LIQUID CHLORINE
BORIC ACID CARBON TETRACHLORIDE : BORAX
TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE
SILICON TETRACHLORIDE : CREAM OF TARTAR
SULPHURIC ACID : CAUSTIC SODA : WHITING
TARTARIC ACID : LIQUID CHLORINE : SULPHUR
TEXTILE STRIPPER : CARBON BISULPHIDE
STAUFFER CHEMICAL CO.
Stauffer
420 LEXINGTON AVE., NEW YORK, N. Y.
230 NO. MICH. AVE., CHICAGO, ILL.
624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

BARIUM REDUCTION CORPORATION
Manufacturers of
Precipitated Barium Carbonate
Barium Chloride Crystals
Anhydrous Barium Chloride
Barium Sulphate
Barium Oxide
Barium Peroxide
Barium Hydrate
Barium Sulphide
Sodium Sulphide
Sodium Sulphydrate
Hydrogen Sulphide Gas
Ammonium Sulphide
Strontium Oxide
Strontium Peroxide
OFFICE AND WORKS: SOUTH CHARLESTON, W. VA.

COPPER SULPHATE
IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY
NEW YORK OFFICE · 30 CHURCH ST.

As the trend toward the use of chemicals increases in industry and agriculture, our specific knowledge of the chemicals we have manufactured for nearly fifty years becomes of greater service. Our organization welcomes inquiries and considers them all in full confidence.

Oldbury
Electro-Chemical
Company

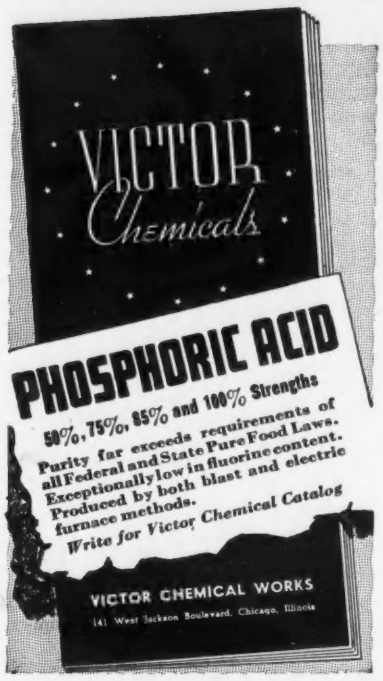
Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Phosphorus and phosphorus products. Sodium chlorate.
Potassium perchlorate. Oxalic acid.

BARIUM HYDRATE and POROUS BARIUM OXIDE (Monoxide)
BARIUM AND CHEMICALS, Inc., Dept. A, Willoughby, Ohio
Successors to The J. H. R. Products Co. *Send for informative booklet*

PERCHLORATE OF POTASH
INTERNATIONAL SELLING CORP. 26 Beaver Street NEW YORK


VICTOR
Chemicals
PHOSPHORIC ACID
50%, 75%, 85% and 100% Strengths
Purity far exceeds requirements of all Federal and State Pure Food Laws.
Exceptionally low in fluorine content.
Produced by both blast and electric furnace methods.
Write for Victor Chemical Catalog
VICTOR CHEMICAL WORKS
141 West Jackson Boulevard, Chicago, Illinois

WE GRIND AND SELL
Sulphur
Commercial flour, dusting sulphur, wettable sulphur, rubbermakers' sulphur... All crude sulphur used is 99½% pure.
WRITE OR WIRE FOR QUOTATIONS...DOMESTIC OR FOREIGN
DOUGLASS SULPHUR CO.
P.O. BOX 231 HOUSTON, TEXAS

Manufacturing Consumers
Importers and Distributors at first hands, not only in the United States and Canada but throughout the world, receive the Oil, Paint and Drug Reporter every week.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

Nichols
COPPER SULPHATE
99% PURE

TRIANGLE BRAND
THE STANDARD FOR 50 YEARS

99% Pure

In large or small crystals, "Instant Brand," granular or snow, packed in 100-lb. waterproof bags and in new, clean barrels of 450 lbs. net.

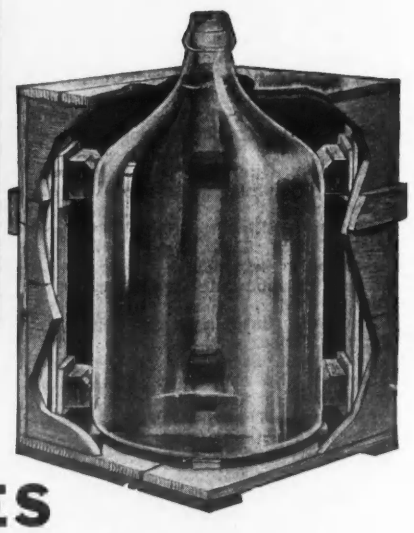
MONOHYDRATED
(*Full 35% Metallic Copper Content*)

Now packed in re-fillable, removable-top drums of heavy, gauge steel to insure safe arrival.

COPPER OXIDE (Red) • **NICKEL SULPHATE**

PHELPS DODGE REFINING CORPORATION
40 WALL STREET, NEW YORK, N. Y. 230 NO. MICH. AVE., CHICAGO, ILL.

DROP IT IN... FORGET IT IT'S PACKED



HERCULES CARBOY BOXES
12 gallon and 13 gallon 1CC 1-A
also 5 gallon size

Cut your costs — skip the excuses! Unskilled labor can pack any carboy in a Hercules *quickly*. Just drop it in — nail down the top! Hercules long-life, interchangeable cork cushions are *kind* to shipments — eliminate complaints. Save shipping weight and space, too!

Go National for ALL your packing! National Multiple Bottle Boxes — 1 to 16 bottles, 1 lb. to 1 gal. Any size — any type. Send today for catalog and price list.

SPECIALISTS IN WOODEN BOXES FOR 35 YEARS

NATIONAL BOX & LUMBER CO.
NEWARK • NEW JERSEY

main at a good pace, both for domestic and export account. Prices firm and market position strong. March exports, 5,412,497 pounds, valued at $42,898.

Copperas. — Market tight. Shipments restricted to regular consumers. No change in the prices.

Feldspar.—Trading lacked much expansion. Quotations well maintained.

Fluorspar. — Moderate activity. Prices in line with those established previously.

Glauber's Salt.—Regular consumers made necessary replacements. Prices the same.

Lead Acetate.—No change occurred in the prices, while demand was about fair.

Lead Nitrate. — Consumers made moderate purchases as a rule. Prices rule unchanged.

Lime.—Buying spotty. Prices were without change, and a steady to firm price tone predominated.

Magnesite.—No new price developments, while demand held at satisfactory levels.

Manganese Dioxide. — Shipments were routine against contracts. Prices firm.

Molybdenum Trioxide.—Pure material reduced 5c. to basis of 95c. per pound, f.o.b. works. No change occurred in the technical grade.

Nickel Salts.—Withdrawals spotty. No change uncovered in the prices.

Phosphorus.—Transactions still restricted to domestic consumers. Prices hold firm.

Potash Carbonate.—Steady interest against contracts. March imports 360 pounds, valued at $37, all from Hong Kong.

Potash, Caustic.—Shipments moved at a good pace to regular consumers. Prices well maintained. March imports 5,536 pounds, valued at $606, all from Sweden.

Potash Chlorate.—Firm price tone. Fair interest. March imports 1,169,050 pounds, valued at $72,593, of which 551,370 pounds came from Sweden; 545,328 pounds from Switzerland and 72,352 pounds from France.

Potash Cyanide.—Moderate inquiry. Market position strong, and stocks limited.

Potash Permanganate. — New business less active, but market in favorable position. Little offered for export. Prices firm.

Saltcake.—Withdrawals from paper trade remain good. Prices nominal.

Saltpeter.—Moderate demand. Market position strong, and prices firm.

Soda Acetate. — Various grades moved in fair quantities. Prices well sustained.

Soda Ash.—Replacement buying remained on a moderate scale. Prices unchanged. March exports 8,266,165 pounds, valued at $116,417.

Soda Bicarbonate.—Steady interest. Prices unchanged and firm. March exports 1,341,163 pounds, valued at $25,179.

Soda Bifluoride.—Fair demand, with price tone firm.

Soda Bisulphite.—Trading was on a routine basis. Quotations unchanged.

Soda, Caustic.—Major consumers entered the market for fair size quantities against contracts. Prices displayed no alteration. March exports 17,787,093 pounds, valued at $378,835.

Soda Chlorate.—Some seasonal inquiry noted for weed killing purposes. Other demand moderate. Prices remain firm.

Soda Cyanide. — Business held steady. Prices unchanged and firm. March exports 1,091,034 pounds, valued at $127,933.

Soda Hydrosulphite.—Market firm. Buying fairly steady against contracts.

Soda Metasilicate.—Shipments moderate active, with prices well maintained.

Soda Nitrite.—Some leveling off discernible, but volume sufficient to keep market in firm position.

Soda Phosphate. — Withdrawals were made on a fair scale in this directions. Prices were unchanged. March exports 811,879 pounds, valued at $35,533.

Soda Silicate.—Buying held up very well in some directions particularly from the paper trade. Prices rule firm. March exports 1,395,040 pounds, valued at $20,462.

Soda Silicofluoride.—Market strong. Supplies of imported limited. Domestic material confined to regular consuming channels as a rule.

Soda Stannate.—Prices ½c. higher, ranging from 31½c. to 34½c. per pound, according to quantity. Demand fairly steady.

Soda Sulphide.—Basic consuming industries displayed moderate interest. Prices without change.

Soda Sulphite.—Business continued at satisfactory levels. No change occurred in the prices.

Sulphur, Refined.—A better inquiry noted for agricultural purposes, commercial demand irregular. Prices firm.

Tin Salts.—Tin crystals and anhydrous stannous chloride of tin ½c. higher at 37c. and 45c. per pound, respectively. No change in anhydrous tetrachloride at 23¼c. Straits metal 47⅝c. per pound.

Uranium Oxide. — Market strong, prices firm and shipments held to regular channels. March imports 42,440 pounds, valued at $76,284.

Zinc Carbonate.—Dealings routine. No change disclosed in the prices.

Zinc Sulphate.—Consumers entered the market for fair size replacements against contracts. Prices rule firm.

Acids

Business in the market for mineral acids remained on an even keel. There was not much expansion or contraction noted in the volume of orders. Replacements were made against contracts usually when needs became urgent, and there was little disposition to change this policy for the present. Export inquiries for some acids continued brisk, and offerings were made only when domestic requirements were fully taken care of. No new price developments occurred, and the general tone of the market was one of firmness.

Acetic.—Shipments continued moderate. Price tone steady to firm. March exports 828,233 pounds, valued at $74,203.

Acetic, Anhydride. — Consumers made satisfactory withdrawals against contracts. Prices unchanged. March exports 135,303 pounds, valued at $20,554.

Battery.—Shipments routine. Prices without change.

Chromic.—Firm price tone, with demand steady.

Formic.—Buying irregular, good export inquiry. Prices firm.

Gallic. — Market position strong. Takings conservative.

Hydrofluoric.—Prices hold firm at levels established recently. Dealings moderate.

Lactic.—Business continued to display some irregularity. Prices hold firm.

Muriatic.—Demand steady. Prices unchanged and firm. March exports 1,090,999 pounds, valued at $22,898.

Naphthenic.—Firm price tone, with offerings on a restricted basis.

Nitric. — Market position remains strong, and business steady.

Oxalic.—Shipments steady to regular channels. Prices rule firm.

Sulphuric.—Business was only moderate, with most consumers content to make only necessary replacements. Prices were unchanged and firm.

Tannic.—Market strong. Demand modest and prices without change.

Baltimore, May 8.—Sulphuric acid maintains its aspect of limited activities, and there has been nothing in the recent developments to give the market a more vigorous tone. The nominal quotations still at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum also just about holds to the level set, at $17 per ton for $20 percent supplies.

Insecticides

A slightly better movement was underway for some agricultural insecticides and fungicides last week. However, normal shipments were still delayed in most sections because of the cool weather. Prices for calcium

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

ALKALI
Accurately Controlled Manufacture makes . . .
DIAMOND ALKALIES Better!
1 Controlled MANUFACTURE
2 Scheduled DELIVERIES
3 Guaranteed PURITY
A KEY factor in making DIAMOND Alkalies your best selection is the precise control we exercise over the product during manufacture. Checks and tests at every step of the process make absolutely certain that there is no variation from proven Diamond Formulae
To accomplish this objective, we employ the finest research laboratory technique and equipment—for only by such means are we able to obtain the degree of control we demand. And you are the winner—because Diamond's controlled manufacture means that you get exactly what you want when you want it!
A Diamond Engineer will be glad to show you specifically how Diamond's Three-fold Protection for Users of Alkalies will make your problems easier!
DIAMOND'S 3 Fold Protection for the USERS of ALKALIES
DIAMOND ALKALI COMPANY
Pittsburgh, Pa., and Everywhere

Prompt Deliveries in Commercial Quantities

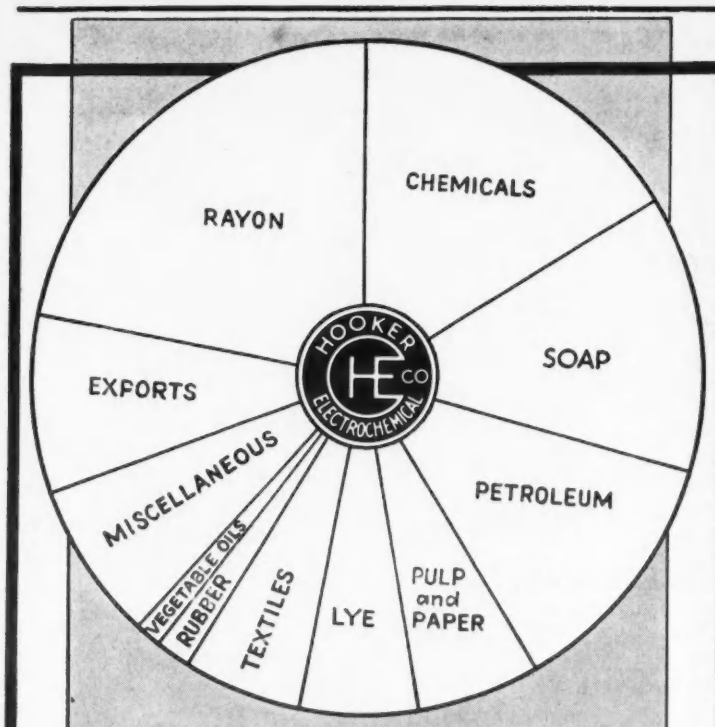
DU PONT
REG. U.S. PAT. OFF.

CHLORINATED HYDROCARBONS

	B.P., 0°. C.
Methyl Chloride	-24.6 to -23.6
Dichlormethane	39.2 to 40
Chloroform (Tech.)	60.0 to 61.5
Carbon Tetrachloride	76.2 to 77.0
Trichlorethylene	86.0 to 87.5
Perchlorethylene	120.0 to 122.0
Ethyl Chloride	12.2 to 12.6
Ethylene Dichloride	82.0 to 84.7
Beta-Trichlorethane	118.8 to 113.3
s-Tetrachlorethane	146.3
Pentachlorethane	161.9
Hexachlorethane	185 (sublimes)

Concise information about these products listed is given in the technical bulletin—send for a copy.

E. I. DU PONT DE NEMOURS & COMPANY (INC)
The R. & H. Chemicals Department
Wilmington, Delaware
District Sales Offices: Baltimore, Boston, Charlotte, Chicago, Cleveland, Kansas City, Newark, New York, Philadelphia, Pittsburgh, San Francisco



HOOKER
Caustic Soda

Serving all process industries through rigidly controlled grades, laboratory and technical field service, comprehensive stocks, reliable deliveries.

HOOKER ELECTROCHEMICAL COMPANY
NIAGARA FALLS, NEW YORK
NEW YORK CITY • TACOMA, WASHINGTON

arsenate were now on a uniform basis, with all leading sellers adhering to the same levels. A firmer tone developed in the market a few weeks ago, and gradually all factors conformed with the higher prices. Lead arsenate remained firm. Paradichlorobenzene moved in moderate volume.

Bordeaux Mixture.—Takings modest. Prices without change.

Calcium Arsenate.—Prices by all leading sellers at 6½c. for car lots and 6¾c. per pound for less car lots. Better inquiry noted, but shipments still backward.

Lead Arsenate.—Fair inquiry. Prices without any new developments.

Paradichlorobenzene.—Demand moderately active. Prices unaltered.

Paris Green.—Price tone firm, with shipments on a conservative basis.

Soda Arsenite.—No change occurred in the prices. Demand was only moderate.

Ellis Made President Of Wilson-Bennett Co.

H. Denbigh Ellis has been elected president of the Wilson & Bennett Manufacturing Company, succeeding Wilfred Sykes, who was chairman and president of the company. Mr. Sykes remains chairman of the board.

Mr. Ellis was formerly vice-president and treasurer of the company,

H. Denbigh Ellis

which is a wholly owned subsidiary of the Inland Steel Company. Wilson & Bennett is the largest manufacturer of steel containers in the country, with plants in Chicago, Jersey City, New Orleans, and Beaumont. The company manufactures a complete line of steel pails and drums for the oil, paint, varnish, lacquer, chemical and food industries.

Mathieson Alkali Names Two Vice-Presidents

Two promotions in the executive staff of The Mathieson Alkali Works, this city, have been announced by E. M. Allen, president. George W. Dolan, formerly assistant to Mr. Allen, has been elected vice-president, as has C. S. Glenn, who will also retain his former title of director of operations.

Mr. Dolan, who is also a director of Mathieson, was born in Cleveland, Ohio, and attended Western Reserve University, graduating in 1926. He is a member of the Uptown and Blind Brook Clubs. Mr. Glenn is a graduate of the Massachusetts Institute of Technology and has been engaged in operating work in the heavy chemical industry for many years.

Bernhardt to Assist Bode In R.& H. Miscellaneous Dep't

E. J. Bernhardt, formerly manager of the Pittsburgh office of the R. & H. chemical department of E. I. du Pont de Nemours & Co., Wilmington, has been made assistant to George Bode, manager of the New York miscellaneous sales department. Mr. Bernhardt has been with the R. & H. organization for twenty-eight years. In 1936 he was appointed manager of the Pittsburgh branch office, after having served in the New York office for many years.

Trade Briefs

Container Corporation of America, this city, has called for redemption June 1 at 101 and interest entire issue of its 5 percent debentures, due June 1, 1943.

Liquid Carbonic Corporation has called for payment June 15, at 104 and interest, $325,000 of its convertible 4 percent debentures, due June 15, 1947.

Innis, Speiden & Co., has issued the May number of its *Isco News*, in which prices are listed for their industrial chemicals, gums, waxes and allied lines.

Edwin Mejia has been elected a vice-president and a member of the directorate of the Aluminum, Ltd., Pittsburgh. He succeeds J. F. Van Lane, resigned.

Warren H. Brown, of the research staff of Vick Chemical Company, this city, has been made assistant director of research and market analysis for new products development.

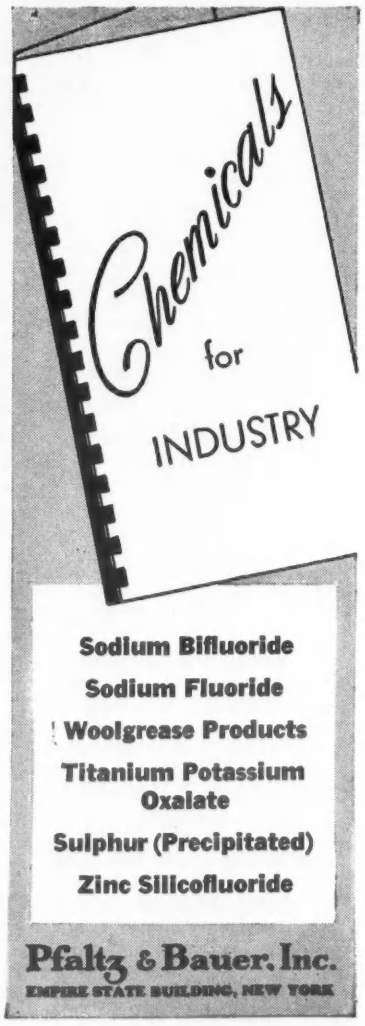
Technichemical Laboratories has moved to larger quarters at 24 Stone Street, this city. This organization of consultants specializes in food technology, textiles and plastics.

National Lime Association safety competition, conducted in cooperation with the Bureau of Mines, resulted in 1939 of the severity rate of accidents in lime plants decreasing 19 percent.

W. H. Engelmann has been named Western manager of the Fuchs & Lang Manufacturing division of the General Printing Ink Company. Mr. Engelmann will make his headquarters in Chicago.

L. R. Hoff, vice president of the Johns-Manville Corporation, this city, who has completed his fortieth year of service with the company, was the guest of a luncheon May 6 by the officers' board of the company.

D. B. Hennessy, secretary and assistant treasurer of the Anaconda Copper Company, has retired after forty-nine years of service with the company. James Dickson, who has been controller, has been named secretary-treasurer, W. K. Daly, former general auditor, being made controller.



Tanners Told to Watch Inventory Valuations

—*Continued from page 5*

Edward L. Drew, statisticians for the council, in discussing "Lost Leather Markets," stated that inroads of substitutes, or competitive products since they have long since graduated to a higher economic level than is implied by the term "substitute," are based mainly on two factors, technological changes in industry, and style, with a third factor, price, influencing and to a large extent controlling the effectiveness of the competition from these other products.

Mr. Drew believed that well directed effort can stop these inroads. But the effort, he said, has to be directed along sane lines with clear-cut, if limited, objectives. It must be remembered, he warned, that all these so-called substitutes have value and a definite place in our economy. But tanners, he concluded, also have something to sell, leather has its place and its value, too, he added. If the right public is told about it in the right way maybe then, Mr. Drew added, it will be time to worry about inviting substitutes in to keep leather prices down.

N.Y. Production Club Elects Dunning President

Preston Dunning, of the Colonial Paint Works, Brooklyn, was elected president of the New York Paint and Varnish Production Club at the monthly meeting held May 9 in the Building Trades Employers Association building, this city. Other officers elected were:—

Vice-president, Carl M. Frey, of the Devoe & Raynolds Company; secretary, C. R. Bragdon, of the Interchemical Corporation; treasurer, John Murphy, of the Standard Varnish Company; executive committee, Fred M. Damitz, of the Endurette Corporation, and LeRoy D. Soff, of the Paragon Paint & Varnish Company.

W. H. Hoback, of the Titanium Pigment Corporation, this city, read a paper, "House Paint Formulation with Chalk-Resisting Titanium Pigments." Mr. Hoback has read this paper at several other production clubs throughout the country, but for the first time added an appendix to include the new titanium developed by his company and offered to the trade last week.

Samuel H. Clark Honored At Testimonial Dinner

—*Continued from page 5*

Mr. Clark, in his speech of thanks, remarked on the friendly feeling among those within the company and those associated with it in any way. He concluded by saying:—

This event evidences an outstanding spirit of goodwill on the part of employer, employees, customers, suppliers and competitors, and it wins the heartfelt appreciation of myself and my friends.

Other speakers were John A. Franklin, secretary and treasurer of the company; Harold G. Robinson, a vice president; W. Wallace Roff, assistant secretary, and Honorable John A. Matthews, of the New Jersey judiciary. Clarence E. Clark, a vice president and son of the president, acted as toastmaster.

Sheridan Joins Zimmermann

The E. E. Zimmermann Company, Pittsburgh, has engaged Edward J. Sheridan as its technical service representative. Mr. Sheridan, a graduate chemist, has been affiliated with the paint and varnish industry for approximately twenty-five years. Among his duties will be that of supervising the manufacture of "EE" brand shellac.

In addition to manufacturing shellac, the E. E. Zimmermann Company, which has been established for twenty-five years, is an importer and distributor of raw materials. Among the paint and varnish raw material houses represented by the Zimmermann organization are the Archer-Daniels-Midland Company, naval stores division of the Hercules Powder Company; C. K. Williams & Co.; Kentucky Color & Chemical Co.; the Evans Lead Corporation; the Taylor Lowenstein & Co.; the Werner G. Smith Company; the Baker Castor Oil Company, and the Thompson-Weinman Company.

Chemists' Club Golf Tournament June 4

Members of the Chemists' Club, this city, and their guests will compete in a golf tournament at the Winged Foot Golf Club, Mamaroneck, N. Y., June 4. Entry fee in the tournament will be $7.50 per person, which includes greens fee, dinner, prizes and miscellaneous, as well as a contribution to the club's library fund, the purpose for which the tournament is being held.

D. W. Thompson

Prizes include the Carleton Ellis trophy for low net; the president's cup for low gross, and the trophy for low gross of the Salesmen's Association of the American Chemical Industry. D. W. Thompson, assistant salesmanager of the Mathieson Alkali Works, this city, is in charge of arrangements.

Ore-Testing Studies Reported by Mines Bureau

The results of ore-testing studies conducted by the metallurgical division of the Bureau of Mines during 1938 and 1939, are summarized in a report recently published by the bureau. The report discusses work done under a cooperative agreement between the Bureau of Mines and the Missouri School of Mines and Metallurgy. Copies of this paper, "Ore-Testing Studies, 1938-39," by A. L. Engel and S. M. Shelton, may be obtained from the Bureau of Mines, Washington.

Obituaries

William L. Brower

William L. Brower, senior vice-president of Schieffelin & Co., wholesale druggist, this city, until his retirement in 1929, died May 9 after a brief illness.

Born in this city Mr. Brower was educated in private schools here and at the age of sixteen, entered the employ of Schieffelin Bros. & Co. On January 1, 1880, he was made a partner in the firm, which was then known as W. H. Schieffelin & Co. He was one of the incorporators of the firm of Schieffelin & Co. in 1903 and served as vice-president until the time of his retirement.

Among his clubs were the Holland Society, the St. Nicholas Society and the City and Reform clubs. He devoted his energies to numerous civic movements and to the affairs of the Middle Collegiate Church and Reformed Dutch Church of America. In 1928 Mr. Brower was constituted a knight officer by Queen Wilhelmina of the Netherlands in the order of Orange-Nassau. The same year Hope College, Michigan, bestowed upon him the degree of doctor of laws. This was in recognition of his outstanding interest in and devotion of the Reformed Church and of the religious and moral life of New York and in recognition of his sterling character and life activity.

W.L. Robbins

William L. Robbins, for fifty years an employee of the Dodge & Olcott Company, essential oils, aromatics and vanilla beans, this city, died May 6 at his home in Woodhaven, Long Island.

Mr. Robbins began his service in 1890 and throughout his career never missed a day until six weeks ago, when he fell ill. The early years were devoted to the essential oil branch of the firm's business, but ultimately he was placed in charge of the vanilla bean division. He became a vanilla specialist of high standing, one whose judgment of merchandise and values constituted almost the final court of opinion. His business acquaintanceship extended from coast to coast.

Surviving are his wife, Mrs. Ida Rollins, a daughter, Mrs. Florence McCoy, and a son, Albert Rollins.

Prof. F. H. Probert

Prof. Frank H. Probert, dean of the University of California College of Mining and an authority on mining economics, died May 7 in Berkeley, Calif. He was sixty-three years of age.

Born in London in 1876, Mr. Probert was educated at the Royal College of Science and the Royal School of Mines there. From 1897-98 he investigated mineral resources in Northwest Ontario. He was general manager of the Llanfair Lead Mines in North Wales from 1898-99; manager of the Anhaltische Blei und Silberwerke in Anhalt, Germany, 1899-1900, and did engineering research in Arizona for Phelps, Dodge & Co., this city, 1901-02. From 1902 to 1909 Mr. Probert was a consulting engineer in Los Angeles, and from 1910 to 1912 an officer of the engineering firm of Weed & Probert, Los Angeles and and New York. He was named professor of mining at the California school in 1916 and dean of the college the following year.

Dr. Waldemar Astin, founder and president of the Peerless Chemical Works, and former chief research chemist for the Pennsylvania Salt Manufacturing Company, both of Philadelphia, died May 4 of a heart attack at his desk. His age was fifty-seven.

Henry Butterworth, New York representative for the International Transparencies Company, proprietary medicines, Cleveland, died May 6 in a hospital in this city, after a short illness. He was fifty-eight years of age.

Robert MacFarlane Chapin, chief of the biochemic division of the Bureau of Animal Industry of the United States Department of Agriculture, died in a hospital in Baltimore, Md., May 6. Death followed a brief illness and a brain operation. He was sixty-two years of age.

Lloyd S. Cummins for the past seven years representative for George Lueders & Co., in the South and Middlewestern States, died unexpectedly in his home at Chattanooga, Tenn., April 25.

Clare C. Hosmer, architectural manager for the Masonite Corporation, Newark, died May 6. He was fifty-nine years of age.

Mrs. Nannie D. S. Iglehart, mother of D. Stewart Iglehart, president of W. R. Grace & Company, this city, died May 5 at her home in Washington. She was ninety-three years old.

Lee Clayton Morganroth, retired chief engineer for the Harbison-Walker Refractories Company, Pittsburgh, died May 5. He was sixty-six years old.

Willard W. Poole, representative of Mallinckrodt Chemical Works in Michigan, died May 9 in a hospital in Flint. He left a widow.

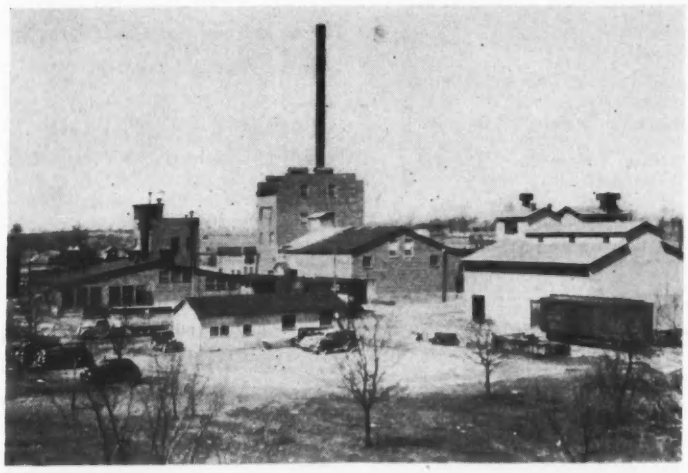
John M. Ross who retired last year as president and treasurer of the Sauquoit Paper Company, Utica, N. Y., died unexpectedly of a heart ailment May 8. He was sixty years old.

Walter K. Van Haagen, teacher of science and chemistry at Germantown High School for eighteen years, died May 9 in a hospital in Bryn Mawr, Pa., after a brief illness.

Joseph Turner & Co. to Sell for Michigan Chemical

Joseph Turner & Co., Ridgefield, N. J., has completed arrangements to act as sales agent for the Michigan Chemical Corporation, St. Louis, Mich. The Turner organization, formed in 1861, maintains branch offices in New York, Chicago and Providence.

Products manufactured by the Michigan Chemical Company include liquid bromine, U.S.P. and C.P. bromides, such as potash, soda, ammonia, barium, strontium, ethyl and ethylene; brobromic acid, flake and liquid calcium magnesium chloride and U.S.P. and C.P. soda chloride.



The Michigan Chemical Company has been manufacturing liquid bromine, bromides, liquid calcium-magnesium chloride and soda chloride since 1936. Installation of the process was made in 1939 by which bromine was converted directly from hydrobromic acid. The research department of the company followed this improvement by the development of soda and potash bromide in pellet form, which it is claimed does not lump or cake.

The source and composition of the raw brine, and the operation of the bromine and bromides plant, resulted in the operation of the salt plant, where common salt is produced by mammoth vacuum pans. The presence of calcium-magnesium chloride in the raw brine and the treatment and removal of the bromine and soda chloride left a product, liquid calcium-magnesium chloride. The production of this calcium-magnesium chloride liquid was begun in 1936, but it was not until the spring of 1938 that this product was made in the flake form, and then by a special process developed by this company. Since then, in the winter of 1939, another large building of structural steel construction has been erected that houses the machinery and warehouse space for the production and storage of this flake calcium-magnesium chloride.

This combination of chlorides is said to absorb atmospheric moisture more rapidly, and its moisture retaining qualities are said to be essentially the same as straight calcium chloride. The corporation's engineering and research department developed and put into operation a process to satisfactorily flake this combination of chlorides. The method of flaking used provides large surface area per chloride unit, which is claimed further accelerates its moisture absorbing qualities. The Michigan Chemical Corporation is the lone producer of this product.

Paint Salesmen Told How To Sell by Purchasing Agent

Speaking on "The Requirements of Good Salesmen," H. P. McCall, a veteran purchasing agent, was the principal speaker at the April meeting of the Washington Paint Salesmen's Club. Following the talk, a general discussion on profitable selling points was held. W. Frank Summy, president of the club, announced that the National Paint Salesmen's Club convention will be held in this city November 8-9.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Six-hundred-ninety-sixth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Bromomethylethyl Ketone

(Bn-Stoff, Homomartonite)

Chemical

Reactant in—
Organic syntheses

Military

As a military poison gas
Substitute for—
Bromoacetone

5-Chlor-2-betanaphthylaminophenylmethylsulphone

Chemical

Intermediate (Brit.490043) in making—
Medicinal chemicals

Dye

Intermediate (Brit.490043) in making—
Dyestuffs

Chloroethylamine Hydrochloride

Chemical

Reactant in—
Organic syntheses
Reactant (Brit. 468387) in producing—
Cyclic imines
Reagent (Brit. 468387) for introducing—
Aminoalkyl residue into organic compounds

Dicylclohexylpyridinium Phosphite

Lubricant

Starting point (Brit. 457548) in making—
High-pressure lubricants, die-making lubricants, boring oils, drilling oils, cutting oils, and wire-drawing oils by solution, dispersion, or emulsification in carriers, such as mineral, vegetable, or animal oils, paraffin, water, graphite, grease, or porous bearing metal

---

Dilaurylamine

Chemical

Reactant in—
Organic syntheses
Starting point in making—
Emulsifying agents
Various derivatives
Starting point (Brit.457810) in making—
Artificial waxes for polishes, carbon paper, stencils, and textiles by reacting with mixtures of—
Amines Palmitic acid
Montanic acid Stearic acid

Miscellaneous

Ingredient of—
Dispersing, emulsifying, cleansing, and washing compositions used for various purposes

---

Dodecylvinyl Sulphide

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 446992, 450559, and 454675) in making—
Sulphonic acids with—
Calcium bisulphite
Magnesium bisulphite
Potassium bisulphite
Sodium bisulphite

Epichlorhydrin

(Additional uses — supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Cellulose Products

Etherifying agent (Brit. 397116) in treating cellulose with—
Amines derived from paraffins and higher fatty acids
Amylamine
Benzylamine
Dibenzylamine
Diethylamine
Dihexylamine
Dimethylamnie
Hexylamine
Methylanilin
Monoethylamine
Monomethylamine
Piperidine
Ingredient (U.S. 1226340, 1226343, 1236578, 1244107, 1244108, 1244347, 1244348, 1244349, 1265216, 1338661, and 1357447) of—
Solvent mixtures for—
Cellulose acetate
Process material in making—
Artificial filament (U.S. 1217028)
Cellulose ethers (U.S. 1502379; French 536188)
Film (U.S. 1217027 and 1241738)
Threads (U.S. 1241738)
Solvent (special) (U.S. 1217027, 1217028, and 1473218) for—
Cellulose ethers
Ethylcellulose
Solvent (special) (U.S. 1188376) for—
Ethylcellulose

Chemical

Process material (U.S. 1150252) in making—
1-Chlor-5-methyl-2-hexanol
3-Chloromethyl-6-methyl-3-heptanol
3-Dimethylaminomethyl-6-methyl-3-heptanol
Isoamylchloromethyl ketone
Omegabromo-N-propylchloromethyl carbinol
Solvent (U.S. 1350820) for—
Ethylstarch
Starch ethers

Dye

Starting point (Brit. 437296 and 456824) in making—
Intermediates by reacting with—
Benzylanilin
Butylmetachloroanilin
Butylorthotoluidin
Ethylmetatoluidin
Normal butylanilin

Fats, Oils, and Waxes

Ingredient (U.S. 1156119) of—
Solvent mixture for—
Fats Oils
Stabilizing agent (French 755486) for—
Chlorinated mineral wax

(To be continued)

Ethylcyclohexylamine

Chemical

Reactant in—
Organic syntheses
Starting point in making various derivatives
Starting point (Brit. 469642) in making—
Emulsifying agents with—
Arachidic acid
Capric acid
Coconut-oil fatty acids
Cottonseed-oil fatty acids
Cycloaliphatic acids
Hardened train-oil acids
Lauric acid
Linoleic acid
Linseed-oil fatty acids
Margaric acid
Starting point in making emulsifying agent with (continued)—
Myristic acid
Naphthenic acids
Nondecyclic acid
Nonylic acid
Oleic acid
Olive-oil fatty acids
Palmitic acid
Pentadecyclic acid
Poppyseed-oil acids
Resin acids
Ricinoleic acid
Soybean-oil fatty acids
Stearic acid
Sunflowerseed-oil fatty acids
Train-oil acids
Tridecylic acid
Undecyclic acid
Unsaturated acids

Ethyl Fluoroformate

Chemical

Reactant in—
Organic syntheses

Military

Suggested for use as—
Military poison gas

Fluocapric Acid

Disinfectant

Germicide (Brit. 453830) in—
Disinfectant soaps

Naphthylenediglycocoll

Photographic

Developing agent (Brit. 481681) claimed to give—
Finely grained images

Para-aminolauranilide

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 461054) in making—
Textile assistants and detergents by condensing with—
Sulphophthalic anhydride

Tartaric Dialdehyde

(Dialdehyde Tartarique, Dialdehyde Tartrique)

Chemical

Reactant in—
Organic syntheses

Photographic

Hardening agent (Brit. 463427) for—
Gelatin

Vinylbutoxyphthalyl Glycollate

Adhesives

Plasticizer (U.S. 2072739) in—
Adhesive compositions containing cellulose derivatives and resins

Ceramic

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer (U.S. 2072739) for—
Cellulose derivatives and resins

Cosmetic

Plasticizer (U.S. 2072739) in—
Nail enamels and lacquers containing cellulose derivatives and resins as base material

Electrical

Plasticizer (U.S. 2072739) in—
Insulating compositions, containing cellulose derivatives and resins, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Leather

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 2072739) in—
Coating compositions, containing cellulose derivatives and resins, used for protecting and decorating various articles

Paint and Varnish

Plasticizer (U.S. 2072739) in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose derivatives and resins

Paper

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Photographic

Plasticizer (U.S. 2072739) in making—
Films from cellulose derivatives and resins

Plastics

Plasticizer (U.S. 2072739) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose derivatives and resins

Resins

Plasticizer (U.S. 2072739) in making—
Artificial resins from or containing cellulose derivatives and resins

Rubber

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of coated fabrics

Woodworking

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as protective and decorative coatings on woodwork
Patentee: DuPont de Nemours & Co.

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9 in.) containing information similar to that above on 5167 materials • **$10** Postage paid in U. S. 39c postage elsewhere

Dyestuffs, Textile and Leather Chemicals

Slight Pickup in Replacement Buying for Some Materials —Imported Egg Yolk Easier—Tanning Extracts Dull —Corn Derivatives Steady—Bichromates Firm

Dealings in the market for dyestuffs, textile and leather chemicals were limited to conservative quantities in most instances last week. Consumers stocks were believed to be considerably less than previously, however, and there was some evidence of a slight pickup in replacement buying. The textile and leather industry have not been operating at the levels of the final quarter of last year and the early part of this year. Some increase was looked for in this direction in the near future. Prices were well maintained, and the tone of the market was steady to firm.

Quotations for raw tanning materials continue to display stability. Demand, however, continues dull. Tanning extracts were taken conservatively, too, but prices were firm. Domestic egg products were steady, imported egg yolk was easier. Corn derivatives were taken moderately, and prices well maintained. Slightly better demand was discernible for some natural dyestuffs. There were some stocks of turmeric alleppey available after several weeks of no supplies. Bichromates moved steadily to regular channels, and more material was available for export from producing channels, thereby limiting activity in the resale market.

Tallow oil subjected to sulphonation during the first quarter totaled 1,486,026 pounds; olive oil, 602,243 pounds and castor oil 2,932,492 pounds, according to the Department of Commerce report compiled from 67 reporting establishments.

Price Changes

Advanced

None

Reduced

Egg yolk, imported, 1c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
143.4	143.4	143.0	137.8

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—No new price developments occurred, tone of market firm, with trading fair.

Alumina Chloride.—Shipments were held to nearby needs. Quotations ruled firm.

Ammonia Acetate.—The call was limited to conservative quantities. No change was disclosed in the prices.

Ammonia Bichromate.—A firm price tone prevailed, with small lots making up the bulk of the business.

Antimony Salts.—Prices were well maintained at the levels established the preceding period. Demand light.

Chrome Acetate.—Buying was of a modest character. Prices ruled firm.

Potash Bichromate.—Steady demand against contracts. Good export inquiry. Prices firm.

Potash Prussiate. — Fair interest. Prices hold firm and unchanged. March imports 11,023 pounds, valued at $2,936.

Soda Bichromate. — Business continued moderately active. Prices well sustained. March exports 2,083,402 pounds, valued at $300,641.

Soda Prussiate. — Dealings routine. Prices unchanged and firm.

Sulphonated Oils.—Prices were firm. Business dull.

Zinc Dust.—Transactions moderate. Prices remain firm.

Dyestuffs

Annatto.—Buying narrow. Prices remain at the same levels. March imports 225,196 pounds, valued at $11,578.

Archil.—Spot stocks small, offerings negligible and demand light.

Cochineal.—Market position strong. Prices unchanged and firm.

Fustic.—Fair interest. Prices remain firm.

Hypernic.—Moderate inquiry. Price-wise no new developments occurred.

Indigo.—Market dull. No change reported in the prices.

Logwood.—Demand routine. Prices ruled unchanged. March extract exports 96,326 pounds, valued at $15,768.

Madder Dutch. — Business quiet. Prices were without alteration.

Turmeric. — Alleppey available at 7c. to 7¾c. per pound, according to quantity, stocks rather limited. No stocks of Madras. Demand fair.

Sizing Materials

Albumen, Blood.—Price tone firm. Business steady to regular channels.

Albumen, Egg.—Trading lacked much broadening. Prices for domestic and imported held at the same levels.

Corn Sugar.—Bookings moderate. No change occurred in the prices.

Dextrin, Corn.—Shipments moved at a fairly steady pace. Prices were without change.

Dextrin, Potato.—Prices were unchanged. Business only fair.

Egg Yolk.—Market was quiet. Imported easier at 51c. to 53c. per pound; no change in domestic.

Sago Flour. — Moderate inquiry. Prices were steady to firm.

Starch, Corn.—Demand was moderately active. Price tone remained firm.

Starch, Potato.—No new price developments. Fair interest.

Starch, Rice.—Quotations held at the levels established preceding period. Shipments steady.

Starch, Wheat.—Quotations firm but unchanged. Demand satisfactory.

Tapioca Flour.—Prices were steady to firm. Business maintained at fair levels.

Tanning Materials

Chestnut Bark.—Business held to nearby needs. Prices unchanged.

Cutch.—Market lacked any new developments of consequence.

Gambier.—Quotations were nominal and trading dull.

Hemlock Bark. — Firm price tone, with takings modest.

Hematine.—Fair inquiry. Prices remain the same.

Mangrove Bark.—Business quiet and prices without change.

Myrobalans. — Demand failed to broaden. Prices ruled unchanged.

Oakbark.—Consumers entered market for necessary replacements only.

Osage Orange.—Business was without much feature. Prices unchanged.

Quebracho. — Replacement buying was on a fair scale. Quotations firm.

Quercitron. — Developments of importance were absent in this direction.

Spruce Extract.—Only a fair interest was displayed in the market.

Sumac. — Leaf continues unavailable; small stocks of ground at $130 per ton.

Valonia.—No change occurred in the prices. Inquiry light.

Wattle Bark.—Market was a quiet affair, with quotations the same.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Purchasing Agents, June 3-6, Cincinnati.
Textile Chemists and Colorists, Oct. 18-19, New York.

F.G. Hall 50 Years With Stein, Hall & Co.

Frank Griswold Hall was recently honored at a banquet tendered him by the officers and directors of Stein, Hall & Co., in observance of the fiftieth anniversary of his joining the organization, which manufactures and distributes starches, gums, and dextrins. The banquet was held in the Waldorf-Astoria hotel, this city.

Highlight of the occasion was the presentation by W. W. Strasser, executive vice-president, of a gold trophy cup and a set of engraved resolutions to Mr. Hall, relating his services to the company. He also received a handsome traveling clock from the Handelsvereeniging of Amsterdam, Holland, for whom Stein, Hall & Co. are agents in the United States and Canada.

The Stein, Hall Company had its origin in 1866, when Stein, Hirsh & Co. was formed in Chicago. At a later date the New York business of this company had grown so as to justify a division into two partnerships, one in Chicago, the other in New York. Mr. Hall became its president in 1918, following the death of Leo Stein. The concern was incorporated and its name changed to Stein, Hall & Co. at this time also.

The company now has headquarters at 285 Madison avenue, this city, and branch offices in Boston, Philadelphia, Providence, Charlotte, N. C., and Rochester, N. Y. Affiliated with it are the Chicago business, now known as the Stein-Hall Manufacturing Company; the Canadian business, under the title Stein-Hall, Ltd., Toronto; and a gum and dextrin factory and laboratory in Long Island City, conducted under the name of Stein-Davies Company.

Paint Exchange Club to Meet

The Paint and Varnish Exchange Club will hold a meeting May 22 in the Brooklyn Engineers Club. The speaker will be Julian Saphier, of the Stroock & Wittenberg Corporation, this city. He will discuss "Synthetic Resins."

American Aniline Products, Inc., has relocated its Boston office at 190 High street.

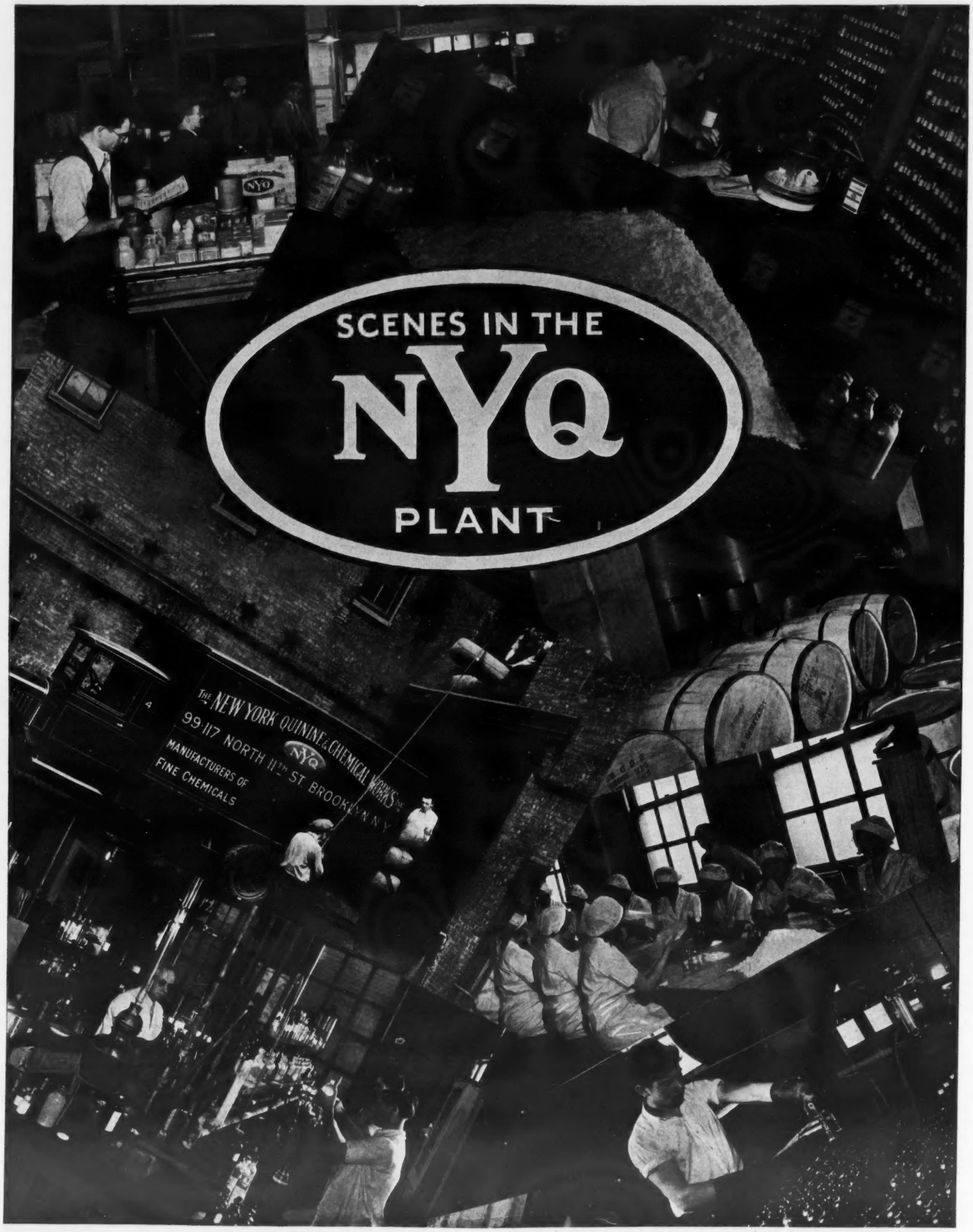
H. C. Neren has been elected a vice-president of the American Viscose Corporation, this city.

Natural Products Refining Co.
910 Garfield Avenue, Jersey City, N. J.
Natural BICHROMATES

DRY COLORS — DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: COrtlandt 7-1460-1461 Cable Address: "Fezan", N. Y.

"NIAPROOF"*
ALUMINUM SALTS FOR WATER REPELLENT TREATMENTS
Especially developed for the modern concentrated water repellent preparations, "Niaproof" contains 35 to 37% active Al_2O_3. It is readily soluble in water giving solutions of 5.1 to 5.4 pH depending on concentration; which can be reduced if desired to a pH range of 3 to 4 by the addition of Glacial Acetic Acid.
"Niaproof" Basic is prepared for compounds requiring a basic salt. It contains 34 to 35% active Al_2O_3. Solutions have a pH range of 4.7 to 4.8 which can also be lowered by the addition of Acetic Acid.
Samples of both grades, as well as 20% Normal or 32% Basic Aluminum Acetate Solutions, are available on request. *Trademark
NIACET CHEMICALS CORPORATION 4703 PINE AVE., NIAGARA FALLS, NEW YORK

MUTUAL BICHROMATES
BICHROMATE OF SODA
BICHROMATE OF POTASH
CHROMIC ACID
MUTUAL CHEMICAL CO. OF AMERICA
270 MADISON AVE. NEW YORK
PLANTS AT BALTIMORE AND JERSEY CITY MINES IN NEW CALEDONIA


SCENES IN THE
NYQ
PLANT
THE NEW YORK QUININE & CHEMICAL WORKS INC
99-117 NORTH 11TH ST. BROOKLYN N.Y.
MANUFACTURERS OF
FINE CHEMICALS

Twenty-Ninth Annual Meeting

American Drug Manufacturers Association

White Sulphur Springs, W.Va., May 6 to 9, 1940

In accordance with custom the American Drug Manufacturers Association devoted the first day of its twenty-ninth annual convention to sessions of its several sections, and held the first general session in the forenoon May 7. After the formal opening by President S. DeWitt Clough, greetings were received from a number of other organizations in the drug industry, some of which were represented by delegates and some of which sent messages, and representatives of the pharmacal press and other guests were welcomed by the president.

Attendance at the meeting set a new high record with a total registration of 235.

The regular program proceeded with the reading of his presidential

S. DeWitt Clough
Re-elected A.D.M.A. President

address by Mr. Clough, while the first vice-president, John G. Searle, occupied the chair.

President's Address

Mr. Clough called attention to the manner in which recent history was repeating itself by quoting from addresses of his predecessors in office over the past twenty-odd years, dwelling particularly on the upset in world affairs and the multitude of ways in which, now as two decades and more ago, the drug industry and all business were puzzled by the rapidity of events and the uncertainty of the future.

Special mention was made by Mr. Clough of the magnitude and the value of the services performed for the members by the headquarters office under the active supervision of the executive vice-president and secretary, Carson P. Frailey. Among the new duties and necessities in this line he told of the planning for the drug industry through the Drug Resources Committee in cooperation with the planning units of the army and the navy. This committee is headed by Mr. Frailey. As a special appreciation of the latter's services the executive committee, Mr. Clough related, had worked out an annuity plan for him and his family.

New Drug Law

Various aspects of the new Federal food, drug, and cosmetic law were commented on by Mr. Clough. He told of the appointment of the new medical advisory committee designed to assist members in conforming with the dosage, warning, and other labeling requirements of the law. He felt that this new unit would supplement the excellent work of the contact committee in connection with the functioning of the Food and Drug Administration, and he quoted Walter J. Campbell, chief of the administration, to present the value of this cooperative work in the technical advising of the governmental officials, especially in respect of tolerances and other aspects of manufacturing experience.

Emphasis was laid by Mr. Clough on the potential dangers of the proposed classification of vitamin and other products as foods. He said:—

There is still some question as to how the courts might interpret certain proposed regulations. I refer particularly to any regulations which might place high-vitamin concentrate capsules, minerals, antianemic, and even diabetic medicaments in the category of foods, to be sold in every corner grocery store. Such a policy would not be in the public interest, according to the opinion of medical experts who have followed the rapid progress of vitamin and nutritional therapy. Personally, I would not care to have my son, or daughter, consult the corner grocer or the butcher as to the proper vitamin and minerals he or she should administer to my grandchildren.

There are many dangerous complications in such regulations. A vicious circle of self-medication on the part of the laity might be established, which circle would revolve in exactly the opposite direction to the safety measures desired by public health officials, the F.D.A. and the medical profession when the present food, drug, and cosmetic law was passed. There is no predicting how much harm might be done if this trend was carried to its ultimate conclusion. Special committees to study this matter have been appointed and will report to the executive committee at this meeting. The wholesale and retail drug trades should be particularly interested in opposing any such regulations.

The tasks imposed by the labeling and new drug provisions of the new law had required drug manufacturers to increase their staffs of technical men, Mr. Clough said, and had laid a heavy burden on the new chairman of the contact committee, Dr. F. O. Taylor. Mr. Clough voiced appreciation of the long service of J. P. Snyder in that position, Mr. Snyder having retired because he had severed his connection with a member manufacturer.

Pharmacopeial Revision

Referring to the coming pharmacopeial convention, Mr. Clough reechoed the position stated a decade ago by S. Barksdale Penick, then president, that manufacturing pharmacy weigh carefully the problems presented in pharmacopeial revision and adopt as its course that which would be to the best interest of pharmacy as a whole.

In this connection he related briefly the work done by the scientific staffs of members under the supervision of the association's scientific and biological sections, and noted the appreciation of this assistance which had been expressed by Dr. E. Fullerton Cook, chairman of the U.S.P. revision committee. Steps for expansion and improvement of research were related by Mr. Clough as follows:—

The progress of the pharmaceutical industry is due, in a large measure, to the intensification of scientific research. My former associate and past-president of this association, Dr. Alfred S. Burdick, made the following statement in 1925 at the Biltmore meeting of the A.D.M.A.:—

"We are living in a revolutionary age—in a day of wonders, and the door of a new era in science stands ajar. Because I feel that America may be and should be the leader in this new era, and because I believe science is bound to dominate industry, I appeal for closer cooperation between our research men. We have done excellent research work in the past, but we must do better still in the future—the best must be our goal—only through this can we attain world leadership, and this can only be achieved by getting together and pulling together."

These words, prophetic as they were, apply today even more than they did fifteen years ago. I should like to say much more about research, and particularly about the importance of clinical research at this time when there appears to be more or less of a bottle-neck in the clinical testing of new drugs, due to the new permit regulations. In this connection, the following motion was adopted by the executive committee at its meeting on January 12:

"Mr. Leslie D. Harrop moved that the president be authorized to appoint a special committee to study the question of cooperative research (nonpatentable products) designed to accumulate clinical evidence to support new drug applications under the food, drug, and cosmetic act. The committee is to report at the next meeting of the executive committee."

On this authority your president appointed Dr. W. A. Feirer as chairman of this special committee. Other members were Dr. John F. Anderson and Dr. E. H. Volwiler, with power to appoint two additional members. This committee has been considering the feasibility of cooperative, clinical research. I believe it is the desire of the Food and Drug Administration that clinical research be so organized as to further facilitate the permit work in Washington.

I recommend that this matter be given further study.

Legislation

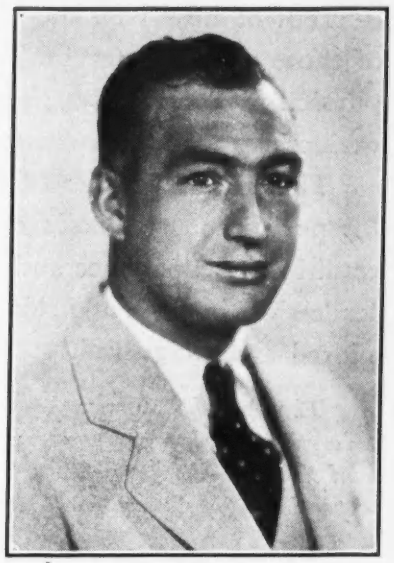
Various aspects of other legislative movements were discussed by Mr. Clough, and he told of the retirement of Horace W. Bigelow after eighteen years of service as chairman of the legislative committee and general counsel. Leslie D. Harrop had been selected to succeed Mr. Bigelow and in legislative work had as cochairman Walton M. Wheeler, jr.

Mr. Clough urged further study of the proposal to reduce or eliminate the Federal tax on alcohol used in medicine. He commented on the lack of uniformity among State laws on unemployment compensation and on their disadvantageous ranges of tax rates. He advocated the merit-rating system in connection with such taxes. He urged sympathy and assistance in the solving of fair-trade problems, pointing out the volume of retailing as a big business, and he recommended that the association actively oppose State barriers to interstate trade and other burdensome revenue-raising methods.

Medical Care

Much seriousness was attached by Mr. Clough to the problems presented for the drug industry in the movement for what he called "compulsory sickness insurance," also known as "socialized medicine" or "medical care." The American Drug Manufacturers Association and the American Pharmaceutical Manufacturers Association now have a joint committee on medical care, he said. He told also of the formation of the National Physicians' Committee for the Extension of Medical Service, describing this as a "nonpolitical, nonprofit organization for maintaining ethical and scientific standards for extending medical service to all the people."

Hospitalization projects and other ideas in "health" legislation were discussed by Mr. Clough, and he recommended "continued vigilance and cooperation with such agencies as are organized to educate the citizens of



John G. Searle
Re-elected First Vice-President

our country to the true facts in relation to medical care."

Report of Executive Vice-President

Declaring that an organization's greatest contribution to its purpose is not only the things it does but also the things it is, Carson P. Frailey, executive vice-president, told of the precepts and practices which make the American Drug Manufacturers Association valuable to its industry. He told of the number and variety of services which represented this value. In this connection he spoke in appreciation of the work of the contact committee and related the expressions of others who were in position properly to evaluate this.

Mr. Frailey told briefly of the inauguration of the Drugs Resources Committee and of the progress it already had made.

Drug Label Warnings

Turning to certain aspects of the new drug law, Mr. Frailey said, in part:—

Under date of December 29, 1939, the Food and Drug Administration released a memorandum indicating the official viewpoint on the adequacy of warnings in connection with a limited number of drugs. Full text of Mr. Campbell's announcement was published in our bulletin 40-1, January 2, 1940, and will therefore not be repeated here. However, it does seem appropriate to quote in part from an interpretation we sent to member firms touching the significance of the warnings in the light of the requirements of section 502 (f) (2) of the Federal food, drug, and cosmetic act. There is reason to believe that our analysis is without criticism in official quarters. It reads:—

"Concerning the warnings issued by the Food and Drug Administration un-

A.D.M.A. Officers for 1940-41

President, S. DeWitt Clough, of Abbott Laboratories, Inc., North Chicago, Ill.

First vice-president, John G. Searle, of G. D. Searle & Co., Chicago.

Second vice-president, Frederick S. Stearns, of Frederick Stearns & Co., Detroit.

Third vice-president, George W. Merck, of Merck & Co., Rahway, N. J.

Executive vice-president and secretary (elected by the executive committee), Carson P. Frailey, Albee building, Washington.

Treasurer, Robert Lincoln McNeil, of McNeil Laboratories, Inc., Philadelphia.

General counsel and chairman of the committee on legislation (elected by the executive committee), Leslie D. Harrop, of the Upjohn Company, Kalamazoo, Mich.

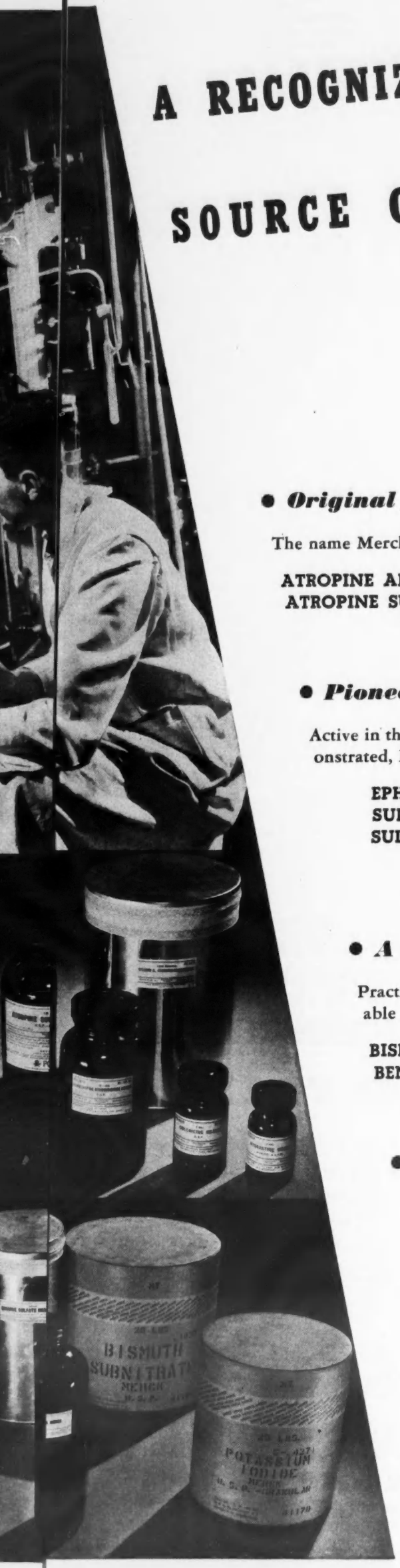
Additional members of the executive committee, Dr. A. W. Lescohier, of Parke, Davis & Co., Detroit; Dr. L. N. Upjohn, of the Upjohn Company, Kalamazoo, Mich.; John S. Zinsser, of Sharp & Dohme, Inc., Philadelphia; M. C. Eaton, of the Norwich Pharmacal Company, Norwich, N. Y.

MERCK

The high recognition accorded to Merck Chemicals throughout America is proof of how well the House of Merck has sustained the confidence of those whom it serves. Today, almost 3,000 products are supplied to physicians, dentists, veterinarians, pharmacists, chemists, laboratories and various branches of industry.

The Merck policies of scientific research and rigid laboratory control for purity and standards of quality and uniformity . . . fortified by a rich tradition of experience and modern production facilities . . . assure continued leadership in present fields of chemistry, as well as in those still to be explored and conquered.

Through the distribution of descriptive literature based upon authoritative sources, advertising in leading medical journals, and informative service to physicians, pharmacists and those in allied professions, Merck is constantly inviting attention to accepted therapy and dependable pharmaceutical preparations.



A RECOGNIZED AND DEPENDABLE SOURCE OF FINE CHEMICALS

MERCK

• *Original Large Scale Producers of Many Fine Alkaloids*

The name Merck has been identified with fine alkaloids and their salts for more than a hundred years

ATROPINE ALKALOID
ATROPINE SULFATE
COLCHICINE
HOMATROPINE AND SALTS
HYDRASTINE ALKALOID
YOHIMBINE HYDROCHLORIDE
PILOCARPINE HYDROCHLORIDE
THEOBROMINE AND SALTS
AND OTHERS

• *Pioneers in the Development of New Synthetic Chemicals*

Active in the manufacture of new synthetic chemicals ever since their therapeutic uses were demonstrated, Merck has played a prominent rôle in the development of this important line

EPHEDRINE AND SALTS
SULFANILAMIDE
SULFAPYRIDINE
RIBOFLAVIN (VITAMIN G)
VITAMIN B_1 CRYSTALS
MANDELATES
NICOTINIC ACID
NICOTINAMIDE
VITAMIN B_6 HYDROCHLORIDE
ASCORBIC ACID (VITAMIN C)

• *A Leader in the Production of Medicinal Chemicals*

Practically every chemical required by the physician or pharmaceutical manufacturer is available under the Merck label and carries with it a guaranty of purity and reliability

BISMUTHS
BENZOATES
BROMIDES
MERCURIALS
IRON SALTS
CITRATES
IODIDES
STRYCHNINE SALTS
SALICYLATES
SILVER SALTS

• *Manufacturers of Quinine Products since 1822*

Merck is headquarters for fine quinine products resulting from chemical skill and long experience

QUININE ALKALOID
QUININE BISULFATE
QUININE HYDROBROMIDE
QUININE HYDROCHLORIDE
QUININE SULFATE
QUININE & UREA HYDROCHLORIDE

We invite you to write us regarding
your manufacturing problems and requirements

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

NEW YORK • PHILADELPHIA • ST. LOUIS

In Canada: Merck & Co. Ltd., Montreal and Toronto

der date of December 29, 1939, it is my opinion that they are intended to be merely advisory suggestions. Congress has ordained that responsibility for 'adequate warnings' rests upon the shoulders of the manufacturer. The F.D.A., however, released the statements in a spirit of cooperation and the language un-

Carson P. Frailey
A.D.M.A. Executive Vice-President

doubtedly reflects the selection and arrangement of words which in the judgment of officials best fulfills the meaning of the term 'adequate warnings.'

"Any manufacturer is at liberty to make his own choice of words to constitute 'adequate warnings' to fit the circumstances surrounding use of his product. Of course, if he departs from the advisory suggestions, as it were, either by deletions or by restricting the scope of the language, he must assume full responsibility. I imagine the courts will be inclined to consider the patterns promulgated by the Department as being within the realm of safety. Modifications adopted by manufacturers may not be so construed by the judiciary. No one can tell in advance of actual litigation."

The committee on catalog simplification, Mr. Frailey said, had been faced with a gigantic task because of conditions presented by the new food, drug, and cosmetic act, and had rendered admirable service in advice to the association and to its members individually. He reported the publication of a supplement to the trademark list.

Treasurer's Report

A further increase in the financial reserve of the association was reported by the treasurer, Robert Lincoln Mc-

Robert Lincoln McNeil
Re-elected A.D.M.A. Treasurer

Neil, although the past year had presented some extraordinary expenses which had resulted in a small exceeding of the budget. The fiscal figures for the year to December 31, 1939, were:—

Receipts	$38,415
Expenditures	36,712
Balance on hand	16,274

The budget for the current year estimates receipts of $39,395 and expenses of $38,459. Mr. McNeil expressed the opinion that a cash reserve equal to 50 percent of the year's operating cost was desirable.

New Members

For the membership committee, John G. Searle, chairman, reported the enrollment of two new members—the Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J., and Charles E. Frosst & Co., Richmond, Va.

The committee presented an amendment to the constitution which would make eligible for membership a division or a unit of a corporation, also a concern "substantially" engaged in manufacturing drug products, instead of "primarily" engaged as has been the rule. This was adopted by vote of the convention.

For the committee on memorials to deceased members, George Simon, chairman, reported the deaths of Mrs. James C. Chilcott, Mackellar Graham, Nicholas H. Noyes, jr., and Otto W. Sartorius. Standing, silent tribute was paid to their memories by the convention.

Legislative Report

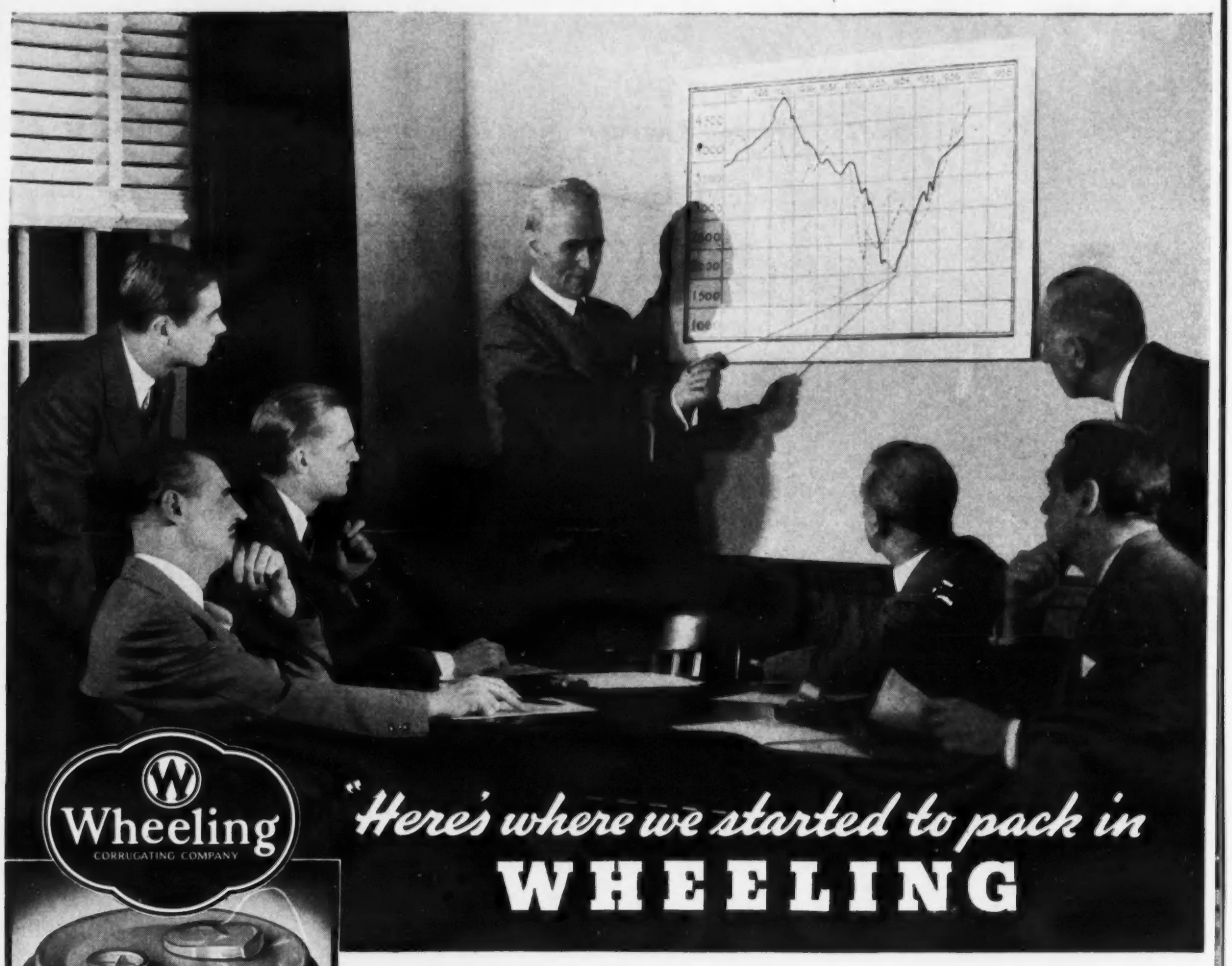
The moderate enforcement of the new food, drug, and cosmetic law which had characterized the functioning of the Food and Drug Administration during the deferment of the effective date of certain provisions should not be mistaken for laxness, said Leslie D. Harrop, general counsel of the association, in a report as chairman of the legislative committee. Efficient enforcement is to be expected as court interpretations more clearly chart the course of the administrative agency.

Mr. Harrop told of special services in connection with the law which had been performed by legislative subcommittees. These included forms of guaranty for private formula and buyer's name business, and form of contract on bulk shipments under section 503 (a).

Another achievement of the committee's was the retention of merit rating in the social security act. The committee had modified its support of the Lanham trademark bill (H. R. 6618) to suggest changes in respect of notices of opposition; to permit potential users to get cancellation of an abandoned mark; and to avoid penalization of inadvertent omission of reference to the registration of a trademark.

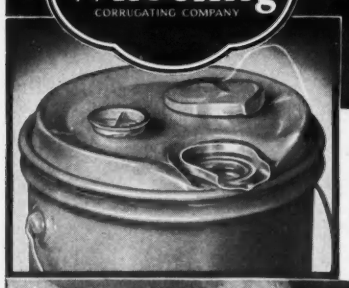
Because of the decision of an Indiana superior court that vitamin concentrates are foods, not drugs, the committee felt that the intention of the Food and Drug Administration in respect of such classification might be furthered. It was the opinion that the administration must stick to the statutory definitions of foods and drugs.

Brief comment was made on the proposed transfer of the Food and Drug Administration, which, the committee felt, would be effected. The neutrality act and the advocacy of more stringent "mark of origin" laws were discussed, also the committee commented briefly on the Patman chain-store tax bill, the enactment of which it did not expect in the present session of Congress. Special study had been given to bills for health insurance and hospitalization,



"Here's where we started to pack in WHEELING

Wheeling CORRUGATING COMPANY



Steel CONTAINERS"

● Sales react quickly when the trade learns that your product includes the last word in safe, convenient packaging. Wheeling Steel Containers—available in 1- to 70-gallon capacities—will give your product the ultimate in utility, accessibility, and security. Among our many items, we are sure to have the right container, with the right closure—and at the right price. Tell us what you pack, and we'll gladly submit samples.

LISTEN TO THE MILL WHISTLE! Every Sunday 4 P.M., EST.
THE MUSICAL STEELMAKERS—Coast to Coast Mutual Broadcasting System

WHEELING
CORRUGATING COMPANY
General Offices: WHEELING, WEST VIRGINIA
OFFICES AND WAREHOUSES IN PRINCIPAL CITIES

and it was the opinion of the committee that this movement would shortly take on greater activity.

The work of several subcommittees in connection with State legislation was reviewed. This covered bills in Kentucky, Mississippi, New York, and Florida.

Leslie D. Harrop
A.D.M.A. General Counsel

Industrial Preparedness

The magnitude and difficulty of the problem of adequately supplying materials for an army in time of war were presented by Lt.-Col. C. F. Shook, of the Medical Corps, United States Army. Col. Shook was appreciative of the cooperation already given by the Drug Resources Committee. He said that industry must be adequately informed of what will be expected of it; otherwise the demands of emergencies would be troublesome as they were in the World War.

He told how army officers are being trained in the Army Industrial College to be equipped to correlate industrial facilities and military needs with due consideration for the needs of the civilian population for the services of industry. The course includes instruction of selected men in the fundamentals of economics and management, in the actual operations of basic industries, in the history of industrial functioning in the World War, in the procurement processes of the army and the navy, and in a progressively revised plan of industrial mobilization.

Quinine, Col. Shook said, was considered the only strategic drug, and a fairly adequate supply had been acquired. In other essential materials, such as sterilized products, he pointed out, the government would require higher specifications than those customary in the trade.

He asked manufacturers to study their individual plants in the light of information on emergency requirements; to study also their personnel and their raw materials. He advised against unwarranted investments in surplus stocks, but suggested the desirability of being assured of reasonable supplies of materials that would be difficult to get from necessary foreign sources.

Insurance

Insurance problems are largely individual with each manufacturer and require appropriate knowledge on his part and on that of his broker, said the committee on insurance problems in a report presented by Dr. Paul S. Pittenger. In this light the committee presented data on the retrospective rating plan for workmen's compensation and suggested the possibilities of reducing the cost of such insurance by continuous study of accident prevention, the application of competent medical examination, and the inauguration of a safety program and necessary safeguarding equipment.

In respect of product liability insurance the committee stressed the necessity of knowing that policy exclusions did not leave the door open for damages resulting from unknown errors or departures from legal standards. Changes in automobile insuring which cover occasional use of vehicles for other than business purposes were explained. Coverage of shipments by motor required careful consideration of the responsibility of carriers, it was said, and the use of blanket policies covering all types of carrier service was suggested.

Employment Relations

Management's large and growing task in respect of proper employee relations was stressed in the report of the committee on employment relations, read by D. M. Copley. A Golden Rule basis was recommended and members were urged to examine their practices.

The committee said that an adequate program must give appropriate recognition to remuneration, hours of work and other working conditions, stabilization of employment and earnings, protection of employees against risks of age and health, policy of promotions and discharges, employee organizations, and avoidance of the idea that there is a conflict between the interests of employer and employee.

Comment on policies of a number of companies in this respect was made, and a study of plans being formulated for the improvement of relations was urged. President Clough suggested the wisdom of a survey of all related plans, such as those for hospital and medical care for employees and their families, and such a step will be taken in the ensuing year.

Patents, Trademarks

The program of congressional legislation in the patents field which had resulted in the enactment of six bills was reviewed by the committee on patents and trademarks in a report by E. H. Volwiler. The changes in the law, in the opinion of the committee, were beneficial to the Patent Office, but made the course of the inventor more difficult. Two other bills now pending and having to do with appellate procedure and the matter of deferred completion of applications were regarded as not desirable and not needed if available means were utilized.

The TNEC investigation and report on patent use, especially in so-called "pools," were regarded by the committee as biased against patents in a belief that they were undesirably monopolistic. The significance of the court decisions in respect of control of prices and sales under patents was noted on the examples of the ethyl gasoline and lecithin cases.

Dr. Morris Fishbein said that the A.M.A. judicial council would report next month to the house of delegates recommendations of certain changes in the ethics on patents in the medicinal field and the attitude of physicians thereto. Dr. H. A. B. Dunning and Carle M. Bigelow expressed the opinion that patent protection was a desirable and necessary reward for research in the drug field.

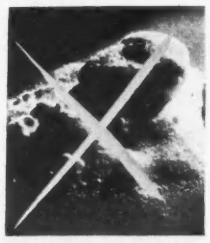
Transportation

The committee on transportation, in a report read by Carson P. Frailey, told of the reductions made in 1939 in O.T. freight rates on drugs and related articles in l.c.l. shipments, and of the shortly effective reduction on drugs east of the Rockies. Carload ratings changes also were reported in O.T. schedules on drugs.

After all these years

PELLET BROMIDES

Free-Flowing, non-lumping Bromide Pellets



Ordinary Granular Bromides showing actual caking

IN the heart of the rich bromine deposits of Michigan, a new producer accomplishes what others have only dreamed about for years . . . A FREE-FLOWING U. S. P. BROMIDE.

• Free-Flowing Sodium or Potassium Bromides in Pellet form — *that will neither lump nor cake.*

• Free-Flowing Pellets with a rate of solubility equal to ordinary Granular.

• You can enjoy the benefits of Free-Flowing Pellets — *at no additional cost.*

• The process by which Pellets are manufactured insures a product of superior quality.

• These Sodium and Potassium Bromide Pellets are available in 16-20, 8-16 and 4-8 mesh.

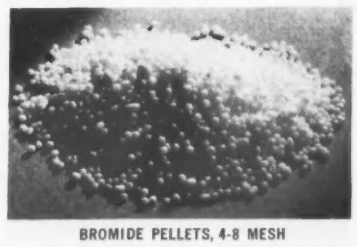
• Convince yourself of the superiority of Pellets over ordinary Granular . . . Write for samples.

• •

For tablet manufacturers, we can supply special screenings (40-60 mesh Granular) Ammonium, Potassium and Sodium Bromides, U. S. P.—at no extra cost.

BROMIDE PELLETS, 16-20 MESH

BROMIDE PELLETS, 8-16 MESH



BROMIDE PELLETS, 4-8 MESH

JOSEPH TURNER & COMPANY

110 Pleasant View Terrace, Ridgefield, N. J.

Sales Agents for MICHIGAN CHEMICAL COMPANY, St. Louis, Mich.

GUARANTEED PURITY, QUALITY and UNIFORMITY

is a combination unbeatable — That is why the "D & O" label has been in the limelight for over a century.

We are headquarters for

ESSENTIAL OILS
Our own distillation or direct importation

OLEO RESINS
Our own manufacture

BALSAMS
Our own direct importation

AROMATIC CHEMICALS
Imported and domestic

FLAVORS
Ready for use, for all purposes, very economical

VANILLA BEANS
Our own direct importation

PERFUME BASIS
Ready for use, for all purposes, very economical

D&O ESTABLISHED IN 1798

DODGE & OLCOTT COMPANY

180 VARICK STREET NEW YORK, N. Y.
Philadelphia — Boston — Chicago — St. Louis — Los Angeles
Factory — Bayonne, N. J.

Pattinson's
MAGNESIUM TRISILICATE
(SYNTHETIC HYDRATED TRISILICATE OF MAGNESIUM)

• • •

A very light fluffy powder, extremely white —tasteless and odorless—and conforming to all required specifications.

Unexcelled for powders and emulsions (heavier density for tablets also available).

Write for samples *NOW*.

• • •

LARGE STOCKS ENABLE US TO MAKE PROMPT DELIVERIES

SCHOFIELD-DONALD CHEMICALS COMPANY INC

SCHOFIELD-DONALD COMPANY, INC.
154 NASSAU STREET • NEW YORK, N. Y.
PHONE: BARCLAY 7-4436
CABLE: REGULUS, NEW YORK

Motor carrier rates have been brought into uniformity, the committee said, and are generally the same as railroad rates. Changes in water freight charges have brought increases on westbound intercoastal shipments and removed variations among different carriers. The committee reported its participation in the revising of I.C.C. regulations for the transportation of hazardous articles.

New 'Sulpha' Drugs

An informative presentation of methods and purposes in the comparative clinical study of sulphanilamide, sulphapyridin and sulphathiazole was made by Dr. Perrin H. Long, of the Johns Hopkins Hospital. The necessity of controlled clinical data was stressed as of primary importance in such evaluations, and Dr. Long explained how comparisons on a dosage basis were unreliable because of differences among the three drugs in absorbability, distribution in the system, and rate of excretion which varied the essential factor of concentration in the blood stream. It was the speaker's opinion that doctors were over cautious in their administration of these new drugs but he emphasized the necessity of careful and properly spaced hemaglobin and white count blood tests—every day for the latter after the fourteenth day—of proper macroscopic examination and measurement of the urine; observation of the whites of the eyes and the oral membrances for evidence of anemia and of the skin for the various rashes caused by these drugs. Headaches, backaches, and general malaise are significant indications of the necessity of stopping administration for a time he declared, and it is wise for the physician to see the patient every day.

Sulphapyridin has low absorption, Dr. Long said, and is preferably given as the sodium salt and intravenously because of the variations in absorption when given by mouth. Because of the conjugation to inactive forms in the system bigger doses, he said, are not the answer to unsatisfactory responses. Sulphanilamide is the best distributed in the system, is not changed to a great extent, and is excreted well and rapidly. Sulphathiazole is well absorbed when given by mouth, fairly well distributed in the blood stream although most that gets to the spinal fluid is changed to the inactive form.

Dr. Long's conclusions were that sulphanilamide is the drug of choice in hemolytic streptococcal infections; in green streptococcal infections other than intestinal sulphanilamide and sulphapyridin are good, although not satisfactorily effective in infections of the heart valves. The former is best in meningial infections, but sulphapyridin is promising. Both are effective in gonococcal infection and sulphathiazole is promising. Sulphapyridin is choice in pneumococcal infections even though sulphathiazole has the advantage of not causing nausea. The latter is superior in staphylococcal infections and in effect on colon bacilli especially in prophylactic control in operations. It is promising in gas gangrene and other war wounds' infections.

All three are promising for wiping out trachoma and for a number of skin diseases. None is effective in typhoid or paratyphoid and none has yet been shown to be effective in virus diseases. But the three offer therapeutic control in about 80 percent of bacterial diseases. Their toxicity must be watched, Dr. Long said; sometimes it is bad. The indications are many and peculiar, especially as drug fevers and skin rashes and to an extent as hemolytic anemia; so that careful observation and control of administration are both desirable and necessary.

In reply to questions Dr. Long said that in vitro testing of the three drugs is not satisfactory or dependable; that their toxicity increases with the age of the patient; that until excretion has been completed patients taking sulphanilamide should not expose themselves to the bright light of the sun.

Standards and Tests

Concordance of results in indivdual assays of nux vomica preparations and changes in the assay of quinine sulphate were discussed by D. M. Copley, of the Norwich Pharmacal Company, who submitted records of cooperative studies. Although the nux vomica work gave concordant results, the methods were said to require close attention to detail and a closer correlation of technic between the U.S.P. method for tincture and the N.F. method for fluidextract was considered advisable. Opportunity for further improvement in the methods was noted.

The N.F. method for quinine tablets was applied to assay of the sulphate itself and in some experiments was modified so that the quinine remained in the acid solution over night. The variations in results were pronounced among different laboratories. It was suggested that a larger sample should be used to lessen probability of error in the final titration, and the endpoint was considered difficult, so study of the indicator was suggested, also of a gravimetric method.

Assay work on bismuth, on magnesium in epsom salt, and on phosphate in sodium phosphate were discussed by J. B. Fullerton, of the Upjohn Company. Reports of cooperative experiments were submitted.

In respect of bismuth it was reported that the phosphate method gave better satisfaction than was got with the sulphide method, and adoption of the former was recommended. Neither U.S.P. nor N.F. method for magnesium was found entirely satisfactory and a modification of the phosphate method was recommended, which suggested a slightly acid starting solution, gradual formation of the precipitate, allowing the precipitate to stand over night, and gradual increase of the temperature in igniting the precipitate. Revision of the U.S.P. and N.F. methods for sodium phosphate was recommended, the former being regarded as unreliable and conducive to variations in results, and a volumetric method being considered better in both cases, the excess NaOH being titrated with N/2 H_2SO_4.

Reports on studies of the avoidance of hydrolysis in the testing of acetanilide, a proposed assay for insoluble saccharin, and one for soluble saccharin were presented by L. A. Watt, of the Monsanto Chemical Company. He also suggested for the committee on chemical tests work in the coming year on the determination of heavy metals and the proper description of caffeine. The present U.S.P. test for heavy metals was regarded as inaccurate because it lacks specificity and the color of the endpoint often is caused by the chemical itself in reaction with hydrogen sulphide.

It was considered necessary to test acetanilide for anilin salts at a low temperature. Processes for the assay of saccharins were offered on the basis of satisfaction found in a number of experiments, and changes in the description of the soluble variety were suggested.

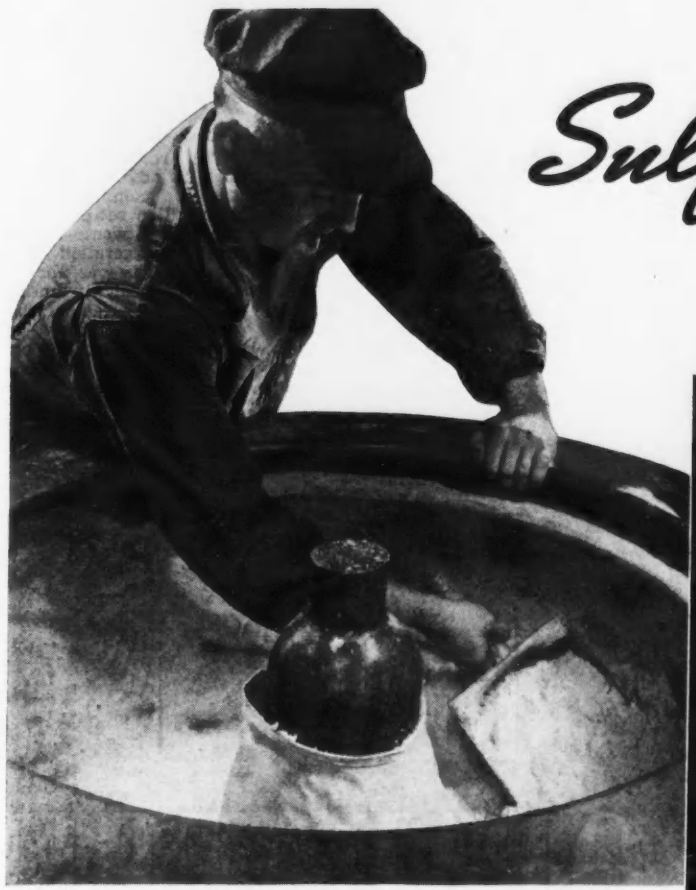
Pharmacological assay of digitalis was discussed by Marvin H. Thompson, of William R. Warner & Co., on the basis of broad collaboration with U.S.P. and F.D.A. groups. The results were regarded as promising of a scientific basis for the desired achievements. The frog method was considered the best. It was noted that the great increase in the potency of the drug and the tincture in the latest U.S.P. monograph, apparently more than was intended, destroyed all previous posological knowledge on the part of physicians. Study of laboratory methods, extraction technic, and clinical experience is expected to extend over a period of years.

Suggesting interest in the standardization of ergot Dr. Thompson said the present biological method was wholly inadequate because it was not selective of the five alkaloids present which differ in therapeutic activity. The test he said, merely showed whether the drug had lost its activity, but did not identify its usefulness. No satisfactory chemical test has yet been developed, he said.

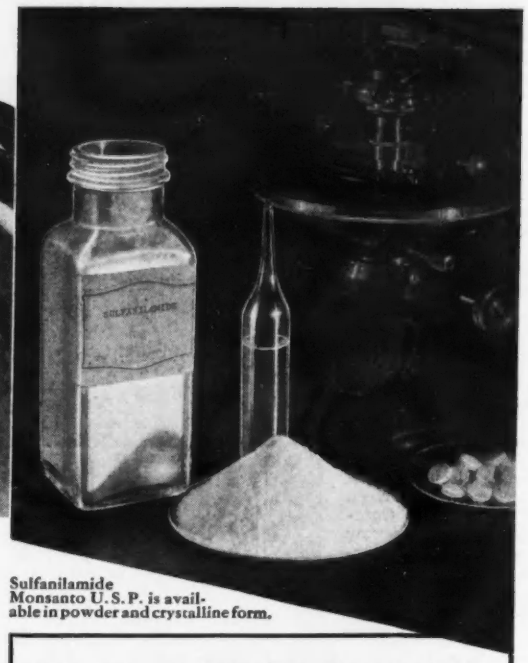
Studies on physical constants of various chemicals were discussed by E. H. Volwiler, of Abbott Laboratories, with special reference to melting points. Differences were noted among collaborators using the U.S.P. method, but these were not surprisingly large. Some suggestions were made for changes in details and definiteness of the technic and the apparatus. Some specimens were found to vary from U.S.P. specifications, and continuation and extension of the work was considered desirable.

Sulfanilamide

MONSANTO U. S. P.



Monsanto workman removing sulfanilamide from an industrial centrifuge in the manufacturing process.



Sulfanilamide Monsanto U. S. P. is available in powder and crystalline form.

Sulfanilamide, the outstanding chemotherapeutic discovery of the century, has checked the reign of beta hemolytic streptococcic infections—such as childbed fever, erysipelas, streptococcic sore throat, mastoid, scarlet fever—and certain complications, notably streptococcic meningitis. No less important is the application of sulfanilamide in the treatment of gonorrhea, trachoma, and urinary infections caused by bacillus coli.

For the pharmaceutical manufacturer, Monsanto produces high purity, medicinal-quality sulfanilamide, the result of planned research and controlled processing. As one of America's few manufacturers of this product, we are proud to offer Sulfanilamide Monsanto U. S. P. to the pharmaceutical industry. MONSANTO CHEMICAL COMPANY, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Montreal, London.

Monsanto Medicinal Products Include:

Acetanilid U. S. P.
Acetophenetidin U. S. P.
Aspirin (Acetyl Salicylic Acid U. S. P.)
Aspirin Starch Granulations
Benzoic Acid U. S. P.
Caffeine U. S. P.
Chloral Hydrate U. S. P.
Chloramine-T U. S. P.
Glycerophosphates
Phenolphthalein U. S. P.
Phosphates
Salicylic Acid U. S. P.
Sodium Benzoate U. S. P.
Sodium Salicylate U. S. P.
Sulfanilamide U. S. P.

MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Chemistry and Nature

Tracing the developments of organic chemistry from the use in medicine and otherwise of natural products, Dr. Roger Adams, of the University of Illinois, said that an understanding of this branch of science rested on a relatively few well-studied facts in connection with academic discoveries. He cited the work up to the time of Pasteur on tartaric and paratartaric acids as typical. He further illustrated organic chemical developments with those of benzene through aromatic compounds and the potentialities of compounds of the many-member ring series. The part that chance had played was noted.

Dr. Adams briefly traced the development of medical chemistry from the early days of natural plant, animal, and mineral drugs to the results of syntheses on the basis of medical knowledge of the prechemical era. He spoke of the work on organic metallic compounds directed toward less toxicity and commented on the peculiar characteristics of iodine. Other steps in his commentary were those in the finally promising synthesis of a non-habit-forming substitute for morphine; development of phenolic disinfectants; the still unsatisfactory results of endeavors to synthesize quinine. He saw in further study of natural products the basis of new syntheses and noted the possibilities for chemists in the field of vitamins and sex hormones.

Chemical developments from other than natural sources, such as anesthetics, barbiturates, sulphanilamide and related compounds, were reviewed by Dr. Adams, and he posed the question of finding out what uses are inherent in the thousands of known organic compounds. He felt that knowledge lay in the direction of the relation of their construction of their physiologic properties. To discover this, he said, in vitro methods of satisfactory assay are needed and controlled tests on small animals after discovery of means of inoculating them with puzzling diseases. He also felt that there was a need for rapid bioassay methods.

Vitamin assays were discussed in a report of further progress by Dr. A. D. Holmes, of the E. L. Patch Company. Work necessitated by the new food, drug, and cosmetic act was reviewed by Ward J. Rice, of Eli Lilly & Co., for the committee on catalog simplification. A new edition of proposed designations will be ready soon.

Packaging and Storing

Much of the work of the contact committee during the year, said Dr. F. O. Taylor, of Parke, Davis & Co., chairman, had to do with the packaging and storing of drugs, and studies of U.S.P. and N.F. requirements had been made. The work had been divided among subcommittees on storage of crude drugs, storage and containers for galenicals, storage and containers for ointments, and misleading packages. Reports on these matters had been discussed in interim meetings.

A subcommittee had been appointed for the special duty of conferring and cooperating with the N.F. revision committee.

Drug law labeling and warning requirements of the new law had been discussed at meetings of the committee, and Dr. Taylor told of the establishment of the medical advisory committee in this connection. That committee had primarily recommended that it could be of greatest assistance to the industry by accumulating and organizing a body of medical facts on which manufacturers might base the phrasing of adequate labeling under section 502(f), it was felt that specific, individual warning phraseology could not be constructed because of conditions presented by methods of use and of distribution. Further study with reference to drugs of particular interest is being carried on.

An illustrative commentary on U.S.P. revision was given by Dr. E. Fullerton Cook, chairman of the revision committee, who also voiced his appreciation of the advice and assistance given by the A.D.M.A. scientific section. Dr. Cook spoke also with reference to the coming U.S.P. convention.

Conditions found in connection with crude and milled drugs were reviewed in a report by W. J. Stoneback, of Sharp & Dohme, Inc. Deviations from standards had been noted during the year in coriander seed, cubeb berries, belladonna root, and aconite. Attention had been given by the committee to the ash content of asafetida, the moisture content of agar, and the chloroform solubility of jalap resin. The need for a method for detecting rhapontica rhubarb was noted.

Frederic Fenger, of Armour & Co., reported on studies of the assay of oxgall, citing various experiments on the basis of biliary acids. He also told of the work on the standardization of potato starch for pancreation testing and said that the pH of the paste appeared to be the most important factor affecting the results of tests.

Opiates Supply

Through some three years of cooperative planning by the drug industry and the Bureau of Narcotics there had been made available in this country enough opium for normal needs until 1944, said H. J. Anslinger, Commissioner of Narcotics. Although it had been found necessary to supply some needs of Canada and Latin America, and some opiates had been furnished to the Finnish army, the supply is still sufficient for three years. The surplus is stored in the former gold vaults of the treasury.

The wisdom of manufacturers exerting every caution to safeguard their stocks of opium and morphine against burglary was stressed by Mr. Anslinger, who pointed out that in the illicit market morphine is worth ten times its weight in gold. He also urged upon manufacturers the desirability of conserving their stocks, and he advised against the soliciting or filling of excessive orders or doing anything else that might create a panic. No shortage exists, Mr. Anslinger said; and none is likely to arise even though the Mediterranean be closed longer than anticipated, because a plan has been devised for replenishing the supply of opium should necessity arise.

The Commissioner of Narcotics spoke heartfully in appreciation of the cooperation extended by the drug industry in the solution of problems met in the official duties of his office.

F.T.C. Relations

The Federal Trade Commission also is appreciative of the cooperative spirit of drug manufacturers, said James A. Horton, chief examiner for the commission, and is encouraged thereby to the hope that full effectuation of the purpose of the Wheeler-Lea act will be achieved.

Mr. Horton said that the commission was motivated by a belief that the consumer, as well as the manufacturer and distributor, should be protected against unfair competition, and that this, and not any desire or intention to wreck advertising as an economic force, was its purpose in striving particularly to rid advertising of fraud and deceit. He spoke appreciatively of the improvement in the ethics of advertising and expressed the belief that the response of the public would increase in proportion to the extent that factual information, complete and reliable, controlled advertising practices.

With reference to "permissive puffing" in advertising, Mr. Horton said that the commission was guided by a definition set down by the supreme cout some twenty-five years ago that mere exaggeration of the qualities of an article was not violative of the law, but that attributing to it qualities or a character which it did not possess was deceptive and fraudulent. Explaining how the commission ob-

Here They Are!

THE NITROPARAFFINS

Now In Commercial Production

CLIMAXING five years of intensive research the Nitroparaffins are now in commercial production. The completion of our new plant at Peoria, Illinois, assures an ample supply of these new and exciting tools for the chemical industry—chemical compounds which until a few years ago were considered only as laboratory curiosities.

The Nitroparaffins are so new that their uses may be entirely different from anything we might dream today. Their potentialities, however, are such that there probably will be few fields of chemical industry which they will not affect. The Nitroparaffins may serve you as the springboard for the development of entirely new products or they may well be the starting point for improvement in present processes and products.

Write for samples and technical information.

COMMERCIAL SOLVENTS *Corporation*

★

17 EAST 42nd STREET, NEW YORK, N. Y.

tained and evaluated authoritative opinion on therapeutic claims, he declared that it was independent of influence and that nobody had it "in his vest pocket."

In regard to the requiring of warning or cautionary statements in advertising, Mr. Horton pointed out that the law penalizes failure to disclose facts essential to full information of and danger to health. He told them of twenty-three cases in which orders had been issued—stipulations and not accepted in such instances—against abortifacients, fat-reducers, hair dyes, and other products reported as hazardous under ordinary conditions of use. He could not say how far the commission would go in requiring cautionary statements, but he felt that manufacturers could be guided by their own knowledge.

In this connection he advised manufacturers to take careful stock of their practices in respect of private formula business, and not to risk possible jeopardy to their reputation through the distribution of questionable or dangerous articles by others ill equipped to be engaged in such commerce. He pointed out that the actual manufacturer could be joined with the distributor in a charge of fraud or deception, but he recognized the cooperative spirit manifested in such instances. He cited the severity of penalties, applied by Department of Justice action, in instances of criminal prosecution for dangerous or patently fraudulent practices and for violation of final cease and desist orders from the commission.

The commission, Mr. Horton said, regards the individual's right of self-medication as inalienable, and the law does not attempt to infringe this right. But, the law looks to such practices as may through the individual be detrimental to the general welfare or public health. In this purpose the commission is desirous that the distribution of drugs be kept in legitimate, reliable channels. Its experience was that even with respect to classes of offending goods which had been given much attention, violations were still to be found.

Medical Care

Pointing to the bewildering and illogical distribution of the many medical care interests of the government among all cabinet departments, Dr. Morris Fishbein, editor of the *Journal of the American Medical Association,* cited some of the peculiar results this had effected in the movement for governmentally controlled medical care and related aspects of social security. Statistics that conflicted because of the absence of factual foundations were in evidence, and to him the purpose seemed to be to reach improvement through revolution and direction, instead of evolution and cooperation. But, he made clear, the President had been an effective check on many of the proposals of politicalized medicine.

The opposition of the medical profession to compulsory health insurance was discussed by Dr. Fishbein, and he criticized the lack of science and accuracy in the surveys purported to show that the need for medical service was widespread. The profession, he said, recognizes the need for a better distribution of medical service and has laid out a platform which will provide this in a satisfactory manner. He contrasted this with the so-called "National Health Program" which he declared was imbued with the propaganda to break down public confidence in the medical profession. It was his belief that the revised bill for a program of hospital building would be passed by Congress, and he told how that measure had been improved.

The medical profession, he concluded, has established bases of relations with voluntary health and hospitalization plans but would be watchful that in the multitude of these the public was protected against fraud and misrepresentation. It was his belief that the problem of better-distributed medical service would be solved, but not by the Wagner plan which, he stressed, had by no means been abandoned.

Entertainment Features

This year's A.D.M.A. convention was blessed throughout with good golfing weather. As usual it had a most efficient committee in charge of entertainment. These two factors produced a week of great pleasure complemental to the week of much work and informative proceedings on the business side.

The week opened with a concert in the hotel—informally with golf all over the place—and motion pictures including one having to do with research and titled "On to Jupiter," which President Clough has specially provided.

Monday there was more golf, including the qualifying round of the annual tournament. The ladies were entertained at luncheon and bridge at the Kate's Mountain Club; the entertainment committee staged a cocktail party; President and Mrs. Clough received; and there was dancing.

Tuesday was the big golf day, with the annual tournament and the ladies' putting contest. In the evening the committee offered a big-time floorshow; and there was dancing again. Also on this day, and on all the others, private refreshment parties were going on at almost any hour.

The ladies returned to cards Wednesday. There was a tennis tournament in the afternoon. The banquet occupied the evening (up to dancing time) with a talk on foreign affairs, a humorous dissertation, and the awarding of golf and tennis prizes as additional features.

In the golf tournament, the newly proffered president's trophy was won by C. W. Merrell, who also got the prize for the low net score. The qualifying low gross prize was won by C. G. Predmore; the tournament low gross winner was Dr. E. A. Cahill. Winners in the other events were:—

First flight—low gross, N. H. Noyes; low net, C. W. Warner; second low net, C. N. Angst.

Second flight—low gross, M. D. Morton; low net, S. V. Smith; second low net, M. C. Eaton.

Third flight—low gross, Floyd Thayer; low net, Carleton H. Palmer; second low net, Dr. John F. Norton.

Fourth flight—low gross, J. E. Schneider; low net, R. E. Dorland; second low net, S. B. Bradshaw.

Fifth flight—low gross, Lowell P. Weicker; low net, W. J. McKenna; second low net, R. E. Horn.

Sixth flight—low gross, W. D. Keutzer; low net, Paul S. Pittenger; second low net, J. M. Wolff.

Seventh flight—low gross, Mrs. C. G. Predmore; low net, Mrs. Jos. H. Huisking; second low net, S. D. Beard.

Guest prizes—low gross, Mrs. Aglar Cook; low net, Russell Boland; second low net, C. E. Jamieson.

Longest drive, J. P. Remensnyder.

Closest to pin, R. J. Fosbinder.

Least putts, Dr. John F. Anderson.

Consolation, C. M. Anderson.

Ladies putting contest. Mrs. Aglar Cook, Mrs. R. G. Robbins, Mrs. S. DeWitt Clough, Mrs. F. J. McDonough, Mrs. S. D. Beard.

The tennis tournament was won by Dr. and Mrs. E. Gifford Upjohn; the runners-up prize went to Carleton H. Palmer and Lowell P. Weicker; and the consolation round was won by Mrs. John F. Norton and W. S. Auchincloss.

The arrangements were satisfactorily and successfully handled by a hard-working committee headed by W. D. Barry, of Mallinckrodt Chemical Works, with the assistance of J. P. Remensnyder, of the Heyden Chemical Corporation. The direction of the various events was the work of:—

Banquet, M. N. DeNoyelles, of Charles Pfizer & Co., and F. J. McDonough, of New York Quinine & Chemical Works.

Evening entertainment, J. P. Remensnyder, of the Heyden Chemical Corporation, and James C. Chilcott, of the Maltine Company.

Golf, Herman J. Dietel, of Merck & Co., Victor E. Williams, of the Monsanto Chemical Company, and Joseph A. Huisking, of Fritzsche Brothers, Inc.

Ladies' events, A. A. Wasserscheid, of Mallinckrodt Chemical Works, and George Simon, of the Heyden Chemical Corporation.

Publicity, Gerald S. Furman, of Merck & Co.

Tennis, S. Barksdale Penick, jr., of S. B. Penick & Co., and Gerald S. Furman, of Merck & Co.

Transportation, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc.

M. M. Sterling, of E. Fougera & Co., this city, has been elected a vice-president of the National Council of American Importers.

AGAR AGAR
•
MENTHOL
•
FISH LIVER OILS
HIGH VITAMIN POTENCY (A & D)
•
CONSUMERS IMPORT CO., Inc.
342 MADISON AVE., N. Y. CITY CABLE ADDRESS: PUREFOOD N. Y. - ALL CODES

Barrett

CUMAR*

PARACOUMARONE-INDENE RESIN

•

Cumar is widely used in the manufacture of varnishes, floor tile, light-colored rubber products, printing ink, adhesives and waterproofing materials, and in the leather, electrical, radio, paper and other industries.

It is unique in the broad field of synthetic resins—a chemically neutral, non-saponifiable body—available in fluid, viscous, flake or solid forms, with melting points from 10°C to 160°C. It is manufactured under rigid chemical control from specially selected aromatic hydrogen distillates. Each grade is produced to meet a definite specification, and is available in large quantities at reasonable prices.

Experienced Barrett Technical Service men will gladly suggest appropriate grades for your purpose. Phone, wire or write.

CUMAR RESIN (Paracoumarone-Indene Resin)—Specifications

GRADE	MELTING POINT	COLOR	FORM
High Melting (W)	150-160°C.	Color ½-3	Flake
Varnish (V)	127-137°C.	Color ½-3½	Flake
Medium Hard (MH)	115-125°C.	Color 1-3½	Flake
(Dark-MH9)	115-125°C.	Color 8-12	Solid
Rubber Hard (RH)	77-85°C.	Color 8 max.	Solid
Medium Soft (MS)	55-65°C.	Color 8 max.	Solid
Rubber Soft (RS)	45-55°C.	Color 8 max.	Solid
Special Soft (S30)	27-34°C.	Color 8 max.	Viscous
(other melting points supplied as required)			
Plastic (P10-P90, according to melting point in °C.)	As required 10-90°C.	Color 2-8	Viscous or Solid
AX	20-30°C.	12 max.	Viscous
BX	35-45°C.	12 max.	Viscous
CX	45-55°C.	12 max.	Solid
DX	75-85°C.	20 max.	Solid
EX	100-115°C.	20 max.	Solid
FX	125-135°C.	20 max.	Solid

The flaked grades are shipped in metal containers holding about 300 pounds net. The solid and viscous grades are shipped in destructible drums and steel barrels, respectively, each container holding approximately 430-450 pounds net.

The Barrett Company • 40 Rector St. • New York, N.Y.

... One of America's great basic businesses

*Trademark of The Barrett Co. Reg. U.S. Pat. Off.

Barrett CHEMICALS

SEND FOR THIS BOOKLET

This new 36-page, pocket-size booklet lists the many important chemicals Barrett manufactures, and provides a finger-tip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

Coaltar Chemicals

Demand Moderate—Exports Continue at Good Levels—Toluol Remains Scarce—Phenol Demand Steady—Coaltar Colors and Intermediates Firm

Business in the market for coaltar chemicals was only moderate last week. Shipments were made against contracts fairly steadily, but most transactions represented actual needs. However, the market appeared to be in a good position, producers stocks were not large while consumers inventories were believed to be scaled down somewhat too. Export business continued to give the market added support. Pricewise a firm tone prevailed.

The situation in toluol remained about the same. Producers had sufficient orders on the books against contracts for domestic account to keep stocks depleted. Offerings for export were neligible, and it was becoming increasingly difficult to obtain any sizable quantities in the resale market. The few sales passing were at prices almost double the domestic levels. Benzol position was not as strong as previously, and with domestic demand moderate and less interest displayed for export, stocks were entirely adequate. Xylol, while holding firm, experienced no shortage at this time.

A good export inquiry was still noticeable for phenol, but most sellers were not accepting business at this time. Shipments for domestic account absorbed most of the available quantities. Naphthalene held firm. An easier tone was still evident for imported cresylic, while no change was uncovered for the domestic acids. Some leveling off in the demand for pyridin was uncovered. Coaltar acids moved in a routine manner. Call for most intermediates was fairly steady, but lacked much broadening. Export demand for coaltar colors remained at satisfactory levels, while domestic takings were only moderate.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	125.6

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Interest only fair. Light export inquiry. Stocks adequate. Prices steady. March exports 373,603 gallons, valued $89,979, of which 266,026 gallons went to Italy.

Carbazol.—Prices unchanged and firm. Withdrawals confined to conservative quantities as a rule.

Coaltar.—Shipments routine against contracts. Prices without alteration. March exports crude and refined 48,064 gallons, valued $3,883, of which 41,162 gallons went to Canada.

Creosote Oil.—Moderate interest displayed by major consumers. Market position satisfactory, and prices well maintained. March imports 7,323,909 gallons, valued $690,770, of which 6,050,252 gallons came from the United Kingdom. Exports during March were 17,682 gallons, valued at $4,139.

Cresols.—Withdrawals fairly steady from usual consuming channels. Prices were without change, and tone of market was firm. March imports 22,848 pounds, valued at $3,770.

Cresylic Acid.—Replacement buying was moderately active in most directions. Domestic prices unchanged. Tone of imported material was still easy, and prices were nominal. March imports 139,439 gallons, valued at $59,677, of which 130,974 gallons came from the United Kingdom.

Naphthalene.—Shipments of refined continued along seasonal lines. Routine interest shown for the crude. Prices for domestic and imported were unchanged. March imports of crude totaled 442,747 pounds, valued at $5,245, all of which came from the Union of South Africa.

Oil, Shingle Stain.—Transactions were without much expansion. Prices held firm.

Phenol.—Withdrawals by major consumers were sufficient to keep market in firm position. A fairly good export inquiry still prevailed, but offerings were not large. March exports totaled 364,250 pounds, valued at $44,147, of which 281,799 pounds went to the United Kingdom.

Pitch, Coaltar.—Dealings were strictly routine. Price tone was firm. March exports aggregated 714 tons, valued at $12,125.

Pyridin.—While some leveling off prevailed, demand was adequate to keep market in firm position. Prices were well maintained.

Tar Acid Oils.—Buying was only fair in this direction. Sellers adhered to prices in force previously.

Toluol.—Market remained tight. Shipments against domestic contracts absorbed all material. Export inquiry continued heavy, but offerings were negligible. Little material was available in the resale market. March exports 3,857,535 pounds, valued at $206.214, of which 2,373,651 pounds went to Italy; 357,369 pounds to Sweden and 434,211 pounds to Japan.

Xylol.—Business was moderate, with supplies ample to take care of most demands. Export inquiry fair. Prices steady to firm. March exports 125,572 pounds, valued at $7,015.

Chicago Coaltar Bases

Output of coaltar bases is reported showing a somewhat steadier trend, with steel mill operatings tending to stabilize at a level somewhat below early-year levels. Tone of the market is firm, and such items as benzol are encountering a fairly good demand. Inquiry, too, is of good volume. Ruling prices exclusive of tax are: Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 11c. to 11½c.; toluol, 25c.; 10-degree xylol, 30c.; solvent naphtha, 27c.; cresote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Trading light. Prices unchanged and firm.

Benzoic.—Transactions routine. No change in prices.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Purchasing Agents, June 3-6, Cincinnati.
Manufacturing Chemists, June 6, Skytop.
Synthetic Organic C.M.A. outing, June 6-7, Skytop.
Insecticides and Disinfectants, June 17-19, Lake Wawasee.
Textile Chemists and Colorists, Oct. 18-19, New York.

Broenner's.—Not much activity. Firm price tone.

Cleve's.—Usual consumers made necessary replacements.

Fumaric.—Moderate inquiry. No change developed in the quotations.

Gamma.—Dealings were not extensive, but tone of the market was firm.

H.—Market position strong, and dealings routine.

Laurent's.—No particular broadening took place in this direction.

Malic.—Withdrawals were fair, and prices well sustained.

Maleic.—Demand moderately active. Pricewise no change occurred.

Picric.—Firm price tone, with shipments steady.

Salicylic.—Consumers made moderate replacements. Prices rule firm.

Succinic.—No new developments took place, demand spotty.

Sulphanilic.—Technical grade in fair demand. Prices were unchanged.

Tobias.—Business lacked broadening. Prices well maintained.

Other Intermediates

Alphanaphthol.—Market remained routine. Prices firm.

Anilin.—Shipments were only moderate. Prices failed to change.

Anthraquinone.—Buying was spotty. Quotations ruled firm.

Benzaldehyde.—Technical material in fair demand. Prices rule firm.

Benzidin Base.—Firm price tone, with transactions moderate.

Betanaphthol.—Consumers made replacements in line with nearby needs.

Betanaphthylamine.—Market lacked any new developments of consequence.

Diethylanilin.— A moderately active demand prevailed. Prices unchanged.

Dinitrobenzene.—Shipments moved against contracts at a steady pace.

Dinitrochlorobenzene.—Prices firm, and demand fairly steady.

Dinitronaphthalene.— Commitments routine. No change in the prices.

Dinitrophenol.—Market lacked much broadening. Prices the same.

—Continued on page 46

Gasoline Price-Fixing Charges Are Upheld

—Continued from page 3

Recovery Administration, and was continued after the termination of NRA.

Defendants argued that the plan operated only to stabilize markets and did not result in a monopoly or injury to consumers, and from the standpoint of general interest this was the most important angle of the appeal, for the circuit court had held that the trial judge should have instructed the jury to find whether or not the buying pool constituted an unreasonable restraint of trade instead of assuming that any cooperative effort of this sort is illegal in and of itself.

This question was disposed of by Justice Douglas in favor of a strict and literal interpretation of the Sherman act. He reviewed a large number of Sherman act decisions to show that the supreme court has consistently held that any combination to fix prices is illegal regardless of its reasonableness, using such language as:—

Any combination which tampers with price structures is engaged in an unlawful activity. Even though the members of the price-fixing group were in no position to control the market, to the extent that they raised, lowered, or stabilized prices they would be directly interfering with the free play of market forces. The act places all such schemes beyond the pale and protects that vital part of our market economy against any degree of interference.

Nor is it important that the prices paid by the combination were not fixed in the sense that they were uniform and inflexible. Price fixing as used (in the act) has no such limited meaning. Prices are fixed (illegally) if the range within which purchases or sales will be made is agreed upon, if the prices paid or charged are to be at a certain level or on ascending or descending scales, if they are to be uniform, or if by various formulas they are related to the market prices. They are fixed because they are agreed upon. And the fact that, as here, they are fixed at the fair going market price is immaterial.

The machinery employed by a combination for pricefixing is immaterial. Under the Sherman act a combination formed for the purpose and with the effect of raising, depressing, fixing, pegging, or stabilizing the price of a commodity in interstate or foreign commerce is illegal per se. The power to fix prices exists if the combination has control of a substantial part of the commerce in that commodity. Such power may be found to exist though the combination does not control a substantial part of the commodity.

As to the facts in the Madison case, the majority of the court found that there was evidence that the operation of the buying pool, particularly the timing and strategic placement of buying orders, contributed to the price rise and stability of the spot gasoline market, and even though other factors may have contributed to this the buying pool was an illegal conspiracy.

A number of other questions were raised in the appeal, mostly dealing with procedural matters and the manner in which the trial was conducted. The court held that there was no error on the part of the trial court in refusing to permit evidence to show that the buying pool was sanctioned by government officials, since this, if true, would not give immunity. It held that the action of the trial judge in dismissing the conviction of certain defendants after the jury had held them guilty did not warrant a new trial for the others. It also held that there was enough evidence that gasoline prices in Wisconsin were influenced by the buying pool to give the Madison court jurisdiction over the trial.

On other matters the court severely criticized government counsel for their actions and remarks during the trial of the case and in the charge to the jury, but on each point it overruled the circuit court and held that these incidents did not constitute reversable error justifying a new trial.

In his dissent, Justice Roberts contended that there was no evidence the defendants agreed to or did actually fix prices, and that therefore the jury should have been instructed to acquit them if it found that the buying program had no substantial tendency to restrain competition. He also held that the Madison court had no jurisdiction because there was no proof of any illegal acts or influence on prices in the Wisconsin district, and he cited the judge's charge to the jury, government counsel's argument to the jury, and several instances in the trial of the case as being improper and highly prejudicial and as warranting a new trial.

The corporations connected were the Socony-Vacuum Oil Company, the Wadhams Oil Company, the Pure Oil Company, Sinclair Refining Company, Shell Petroleum Corporation, Skelly Oil Company, the Continental Oil Company, the Mid-Continent Petroleum Corporation, the Empire Oil & Refining Company, the Phillips Petroleum Company, the Globe Oil & Refining Company of Illinois and the Globe Oil & Refining Company of Oklahoma.

The individuals connected were Charles E. Arnott, New York, vice-president of Socony-Vacuum Oil Company; H. T. Ashton, manager of the lubrite division of the Socony-Vacuum, St. Louis; P. E. Larkin, general sales manager of the Shell Petroleum Corporation, St. Louis; Robert W. McDowell of Tulsa, vice-president of the Mid-Continent Petroleum Company, and R. H. McElroy, jr., tankcar sales manager of the Pure Oil Company, Chicago.

Imperial Chemical Names Three Deputy Chairmen

London, May 6, 1940

The board of Imperial Chemical Industries has appointed the following directors to be deputy chairmen:—John Rogers (now on government service), J. G. Nicholson and Lord Melchett. F. W. Bain and A. J. Quig, executive managers, have been appointed directors. Lord McGowan is chairman of the combine. The appointment of deputy chairmen is a new development in the administration of the concern.

UNIFORM

DEPENDABLE

KOPPERS

Coal Tar Solvents

BENZOL—ALL GRADES

TOLUOL—INDUSTRIAL AND NITRATION

XYLOL—10° AND INDUSTRIAL

SOLVENT NAPHTHA—INCLUDING HIGH FLASH

Services of the Koppers Laboratories are always at your command

OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity) . . . Cresol (U. S. P., Resin and Plasticizer Grades)...3° Meta Para Cresol ...Cresylic Acid—99%, pale, low-boiling—99%, pale, high-boiling) . . . Naphthalene Shingle Stain Oil . . . Refined Tars...Tar Acid Oils...Pitch Coke...Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials...Bituminous-base Paints...Coal...Coke...Tanks and Tank Work...Removal and Recovery Systems...Gas Plants . . . Fast's Self-aligning Couplings . . . American Hammered Piston Rings . . . Pressure-treated Lumber

KOPPERS COMPANY · PITTSBURGH · PENNA.

Coaltar Chemicals

Other Intermediates

—*Continued from page 45*

Dinitrotoluene.—Strong price tone. Withdrawals moderately active.

Diphenyl. — Transactions usually confined to conservative proportions.

G. Salt.—Dealings routine. Prices unchanged and firm.

Metanitroparatoluidin. — Takings were narrow. Prices unaltered.

Nitrobenzene.—Spot and contract shipments moderate. Prices firm.

Nitronaphthalene.—Quotations firm, with demand moderate.

Orthochloroanilin.—There was little disposition to broaden commitments.

Orthochlorphenol.—Usual consumers made fair size requirements.

Orthodichlorobenzene. — Prices remain firm, and demand steady.

Orthonitroanilin. — Market lacked much change, demand held moderately active, and prices firm.

Orthotoluidin.—No change in prices, with buying fairly steady.

Parachlorophenol. — New business remained light. Prices unchanged.

Paranitroanilin. — Shipments were routine. Prices the same.

Paranitrophenol.—Trading was light in this direction. Market firm.

Paranitrotoluene.—Firm price tone, with fair interest displayed.

Paratoluidin.—Demand was moderate in most directions. Prices firm.

Phthalic Anhydride. — Shipments moved to consuming channels steadily. Prices were unchanged and firm.

R. Salt.—Market was devoid of new developments.

Schaeffer's Salt.—Buying was strictly routine. Prices held firm.

Thiocarbanilide.—A moderate inquiry prevailed in the market.

Toluidin.—Market position strong, and demand steady.

Xylidin.—Firm price tone, with buying moderate.

Coaltar Colors

While some irregularity prevailed in the demand for various coaltar colors, volume was sufficient to keep the market in a satisfactory position. Business was not running a great deal ahead of the same period a year ago, although export demand was an important factor in expanding shipments during the past several months. Some divisions of the textile industry were still lagging. Prices were without any specific changes, and the tone remained steady to firm.

Exports of coaltar colors, dyes and stains during March amounted to 2,571,889 pounds, valued at $1,318,673. The bulk of the material continued to be taken by Canada, Mexico, British India and China. British India was the largest recipient with a total of 954,311 pounds, valued at $383,055, while Canada took 411,569 pounds, valued at $258,205 and China 330,800 pounds, valued at $147,300. March imports aggregated 144,001 pounds, valued at $227,885, of which 95,595 pounds came from Germany; 31,934 pounds from Switzerland and 10,635 pounds from the United Kingdom.

Koppers Co. Names Berry to Succeed Brown

Koppers Company, Pittsburgh, has elected E. A. Berry as treasurer to succeed S. T. Brown, who retired recently because of illness. Mr. Berry has been an assistant treasurer. Myron T. Herreid has been elected vice-president of Koppers Company in charge of the Minnesota division, which operates coke ovens, processes tar and sells gas and coke at St. Paul, Minn. He succeeds E. L. Smith, who has temporarily withdrawn from active management of the Minnesota plant.

R. G. McKinney, of the Pittsburgh office of Koppers Company, has been elected assistant secretary and assistant treasurer of Koppers Company, Bartlett Hayward division, Baltimore, He succeeds George E. Probest, jr., and H. H. Vordemberg, who have retired.

Mr. Berry joined Koppers Company as a bookkeeper in 1914 at Chicago, and came to Pittsburgh when the headquarters of the company were moved here in 1915. He was made chief clerk to the treasurer in 1916, auditor in 1927, and assistant treasurer last year. He has been associated with Mr. Brown since beginning his employment with Koppers and assisted him in the development of the treasury department. Next to Mr. Brown he has had the longest continuous service with the treasury department, having become associated with the company only four years after Mr. Brown.

Teeter Marks 25 Years With Pfizer & Co.

—*Continued from page 3*

vertisement of Charles Pfizer & Co., manufacturing chemist, this city, he successfully negotiated a berth as clerk in the sales department.

The man was Albert A. Teeter, treasurer and director of the company and who, on May 15, 1940, celebrates twenty-five years' continuous service with the Pfizer organization. Friends by the score have anticipated the event by sending Mr. Teeter hearty congratulations.

Albert A. Teeter, born September 3, 1888, in White House, N. J., was graduated from the New York College of Pharmacy in the class of 1908 and worked in numerous retail drug stores until May 15, 1915, when he began his employment with Charles Pfizer & Co. On November 23 of that year he married Miss Agnes C. Sullivan, of Elizabeth, N. J., by whom he had two sons and a daughter.

After a period as clerk in the sales department he became sales correspondent and assisted the late Franklin Black, treasurer of the company. Next came a period on the road during which he contacted Pfizer accounts throughout the country and made himself thoroughly acquainted with buyers and their problems. His chemical education was a valuable adjunct to his equipment since it permitted him to talk with production and plant managers, research chemists, and the like in their own language.

This period proved to be preliminary training for a better post in the sales department, a position which he assumed in 1922. He was elected a director and assistant secretary in 1928 and was given charge over foreign raw material purchases of the company. Following the death of Mr. Black on July 21, 1934, Mr. Teeter was elected treasurer, which office he holds at the present time.

Mr. Teeter is a member of the Elizabeth Town and Country Club, the Suburban Golf Club, also of that city, the Coral Gables Country Club, of Coral Gables, Fla., the Newark Camera Club, and the Drug and Chemical Club of this city. He was commissioned captain in the United States Army Medical Reserve Corps by ex-President Hoover on January 25, 1923.

Photography and golf are his hobbies. In the field of the former, his reputation is international, and in June, 1936, he was admitted as an associate of the Royal Photographic Society of Great Britain, of which society he became a member in 1935. His array of cameras and photographic equipment could well be the envy and despair of many professional photographers. Examples of his art have been hung in practically all important national and international salons.

Textile Printing Auxiliary Discussed in New Bulletin

The use of "Rhotex A-20" in textile printing is described in a new bulletin issued by the Rohm & Haas Company, chemical manufacturer. Substitution of this water soluble synthetic resin for a portion of the gums used in vat printing, it is claimed, will substantially improve color value, both as to depth and brightness. Data concerning the properties, formulas, and methods of preparing pastes for use are also presented in the bulletin. Copies are available from the Rohm & Haas Company, 222 West Washington Square, Philadelphia, Pa., on mention of the REPORTER.

REPUBLIC SOLVENT NAPHTHA

REPUBLIC STEEL
REG. U. S. PAT. OFF.

ALSO

BENZOLS
1°—2°—90% · Motor

TOLUOLS
Nitration-Commercial

XYLOLS
3°—5°—10°—Commercial

AMMONIUM SULPHATE • CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
General Offices • Cleveland, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio · Warren, Ohio · Youngstown, Ohio
Canton, Ohio · Massillon, Ohio · Gadsden, Alabama · Birmingham, Alabama

NEVILLE

COSOL

. . . for use in wire enamels, inks, synthetic enamels, and wherever powerful slow-evaporating solvents are required

COSOL is furnished in three high boiling grades:—160-235°C, 165-250°C, 200-255°C. Each is slow-evaporating, practically water-white, mild and pleasant in odor, fully refined and does not contain napthalene or tar acids. In addition to high boiling range, COSOLS have high solvent power (equal to 2-50-W Hi-Flash Naphtha) and high flash point, with exceptionally low distillation residue.

Write us at once for samples of the COSOLS best suited to your needs.

A-1

THE NEVILLE COMPANY
PITTSBURGH • PA.

N.A. Potash Deliveries Totaled 70,462 Tons

The American Potash Institute reports that deliveries of agricultural potash by its member companies within the continental United States, Canada, Cuba, Puerto Rico, and Hawaii during the first quarter of the calendar year 1940 amounted to 70,462 tons of actual K_2O, equivalent to 122,929 tons of potash salts. Constituting this total were 112,556 tons of muriate, 3,860 tons of manure salts, and 6,513 tons of sulphate. In addition, deliveries for chemical uses amounted to 13,629 tons of salts equivalent to 8,450 tons of K_2O. These figures include salts of domestic origin only. Based on import records of the Bureau of Foreign and Domestic Commerce, potash imports during the first quarter amounted to approximately 64,803 short tons K_2O.

In terms of regional consignments, the total of 63,087 tons K_2O delivered within the continental United States was shipped as follows:—Southern States (including Virginia) 34,584 tons; Mid-Western States, 13,081 tons; Northeastern and Mid-Atlantic States, 13,089 tons, and West coast States, 2,333 tons. The balance of 7,375 tons K_2O was delivered to Canada, Cuba, Puerto Rico and Hawaii.

Wage-Hour Law Changes Not Likely This Session

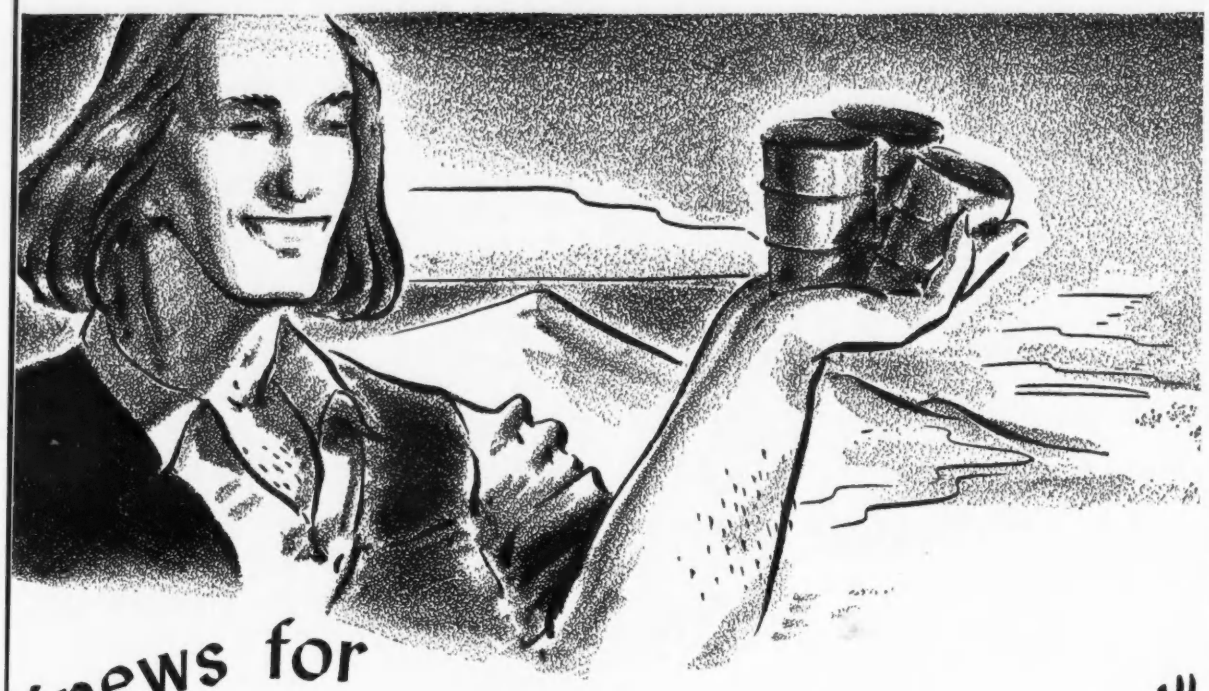
OPD Washington Bureau
May 9, 1940

Modification of the wage and hour law at the present session of Congress appears out of the question, as neither house nor senate has taken any action on this subject since the house late last week voted to recommit the Norton bill to the house committee on labor.

This bill would have made minor modifications in the act, but on being considered in the house it was loaded down with a great many amendments proposing exemptions for many classes of workers, and the situation became so confused that the bill was sent back to the committee for further study and revision. Because of the expected early adjournment, it is not likely that the committee will report the bill again, and the senate committee on labor is taking no action on bills before it to modify the law.

Weights, Measures Conference June 4-7

The thirtieth national conference on weights and measures will be held in Washington June 4-7. Sessions will be held in the offices of the bureau and at the Mayflower hotel. Initial reports will be submitted by the new committees on legislations and publicity. A secretary will be elected to fill the vacancy caused by the death of F. S. Hollbrook.



SYNTHETIC COATING RESINS—that amazing young industrial giant—might still have been a stripling but for Maleic (Toxilic) Acid. This essential raw material was *first* manufactured by National, *first* offered in commercial quantities by National and *first* made available by National in its more convenient Anhydride form.

National Maleic (Toxilic) Anhydride is produced by direct controlled catalytic oxidation of benzol—not as a by-product. Unvarying quality and an unfailing source of supply—never dependent upon the production of other chemicals—is assured. We will welcome your inquiry for samples, technical information and quotations.

Maleic (Toxilic) Anhydride

NATIONAL ANILINE & CHEMICAL COMPANY, INC.

Intermediates Division: 40 RECTOR STREET • NEW YORK, N. Y. • BOwling Green 9-2240

BOSTON . . . . 150 Causeway St.	SAN FRANCISCO . . 517 Howard St.	NEW ORLEANS . Masonic Temple Bldg.
PROVIDENCE . . 15 Westminster St.	CHARLOTTE . . 201-203 W. First St.	CHATTANOOGA . . . . James Bldg.
CHICAGO . . . . 357 W. Erie St.	GREENSBORO Jefferson Standard Bldg.	PORTLAND, ORE. 646 N. Thompson St.
PHILADELPHIA . . 200-204 S. Front St.	ATLANTA . . . . 140 Peachtree St.	TORONTO . 137-145 Wellington St., W.

BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Styrenes Produced From Gas Tars by U.G.I.

Philadelphia, May 6, 1940.

Research activities of the United Gas Improvement Company for several years have been directed toward a better utilization of the chemical possibilities of water gas tars and their light oils constituents, John E. Zimmermann, president of the company, told stockholders at the annual meeting today.

To permit the production of these special products in quantities adequate to test their market possibilities, Mr. Zimmermann told stockholders that for some time the Ugite Sales Corporation, a wholly-owned subsidiary, has operated an experimental plant, and in 1938 sufficient progress had been made to justify the construction of a larger plant. The enlarged plant, he said, is located at Chester, Pa., and began operations in March, 1940.

At this plant, Mr. Zimmermann stated, the products typical of tar refining will be produced. Among such products he mentioned dry tar, dead oil, solvent naphthas, toluene and benzene. In addition to these products, he said that many organic chemicals will be produced that are important as the starting point for the production of valuable commercial products.

Mr. Zimmermann said that the value of some of these products has long been admitted, but they have not, up to this time, been available in commercial quantities. Among some of these products to be produced, he stated, will be ethylene, the starting point for wine spirit and antifreeze compounds; butadiene, the starting point for a series of synthetic rubbers; isoprene and piperylene, the starting point for other synthetic rubbers, styrene, producing a transparent resin with extraordinary electrical and mechanical properties; as well as a whole group of related resinous products and plastics; cyclopentadiene, which produces a resin lacquer for food container lining and is the starting point for numerous drugs; methylstyrene, and a group of other chemically similar compounds producing excellent varnish resins.

Textile Color Group Re-Elects C. Pinnell

Charles Pinnell, of the Merrimack Manufacturing Company was re-elected president of the Textile Color Card Association in its twenty-fifth annual meeting, held May 9 in the offices of the organization, this city. Re-elected with Mr. Pinnell were:—First vice-president, Roy E. Tilles, of the Gotham Silk Hosiery Company; second vice-president, Armand Schwab, of Armand Schwab & Co.; treasurer, Carl E. Kempf, of the Brewster Hat Company, and secretary and managing director, Margaret Hayden Rorke.

In her report as managing director, Mrs. Rorke revealed that during 1939 the organization had gained 161 new members, representing thirty-seven different industries and including sixty-two firms in foreign countries. Contrary to expectations, the European war has not resulted in a decrease of foreign members, there being actually a net gain in fifteen countries.

In commenting upon the significance of the association's twenty-fifth anniversary, she reviewed the progress made in standardization of colors during the period, and called attention to the large number of founders or first-year members who are still members of the group. The National Aniline & Chemical Company and E. I. duPont de Nemours & Co. were among those mentioned. It was also said that it is an aspiration of the association to at some future time found and endow a National Color Forum for the discussion of color problems.

Petroleum Research Report Completed by Mines Bureau

Petroleum and natural gas research conducted by the Bureau of Mines has been compiled in a report, No. 3501, just released by the bureau. Copies of the report may be obtained without charge upon request to the Information Division, Bureau of Mines, Washington.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

Fully protected by Copyright

Three-hundred-twenty-sixth Instalment

Paints

Resins (Synthetic) Used in Paints

(Continued from May 6 issue)

Cumarone resins
Cyclohexanone-formaldehyde resins
Cyrene
Dayton
Dulux
Dura
Duratone
Durez
Durite
Dux 3002
Erinite
Ester gums
Esterol
Ethyleneglycol phthalate resins
Flat gum
Formvar
G resin
Gardite
Geiva
Glycerol phthalate resins
Glycerol phthalate anhydride resins
Glyptal
Glyptol
Hercolyn
Hidersine
Hydrogum
Imperial ester
Idene resins
Isoline
Kopol
Laculose
Lewisol
Lewoflex
Modified phenol-formaldehyde resins
Mowilith
Nevillac
Neville
Nevillite
Nevindene
N.P.S.
Nuba
Paracoumarone resins
Paradene
Paradura C
Paraindene resins
Paramet ester
Paranol
Paraplex
Perspex
Pentaerythritol
Pentareythritol phthalate resins
Phenester
Phenolated copals
Phenol-formaldehyde resins
Phenol-furfural resins
Phenolsulphonamide-formaldehyde resins
Plato
Plexigum
Pliolite
Polyhydric alcohol-polybasic resins
Polymerized vinyl chlorides
Resoglaz
Rezyl
Santolite
Styrol resins
Sucrose octacetate
Super-beckacite
Syntex
Teglac
Thiourea-formaldehyde resins
Toluenesulphonamide-formaldehyde resins
Tornesit
Uformite
Urea-formaldehye resins
Varrock
Vinyl acetate resins
Vinyl polymer resins
Vinyl resins
Vinylite
Vinys

Reagents for Masking Odor of Paints

Amyl butyrate
Benzyl acetate
Citral
Citronia
Coumarin
Deodorant 324, MM&R
Deodorant 1069, Felton
Deodorant B1328
Deodorant B3089
Deodorant B5205
Deodorant B5226
Deodorant B5445
Deodrant S.R.3, Felton
Deodorone F
Geraniol
Lilacine 5140
Neutralizer 202, MM&R
Neutralizer 801, MM&R
Paint deodorant 5, Fritzsche
Paint deodorant 5, liquid, Fritzsche
Parador
Perfume oil K, crysanthemum, MM&R
Perfume oil K, sweetgrass, MM&R
Phenylacetic acid
Phenylethyl alcohol
Santomask
Technol
Vanillin
Wistaria B-1355, Synfleur

Rubber Materials Used in Paints

Buna
Chlorinated rubber
Isoprene
Jatex
Latex
Lotox
Revertex
Revultex
Synthetic rubberlike materials
Tornesit

Settling Preventives for Paints

Aluminum naphthenate
Aluminum stearate
Insoluble soaps
Zinc stearate

Spreader for Water Paints

Calcium caseinate

Stabilizers for Paint Emulsions

Ethanolamine
Ethanolamine oleate
Ethanolamine stearate

Thickeners for Paints

Aluminum oxide
Aluminum naphthenates
Aluminum silicate
Aluminum stearate
Chromium naphthenates
Diatomaceous earth
Infusorial earth
Kieselguhr
Thalium naphthenates
Titanium naphthenates
Sicapon
Vanadium naphthenates

Thinners or Solvents Used in Paints

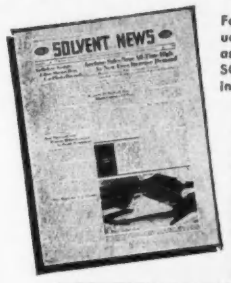
Absolute alcohol
Acetaldehyde
Acetaldol
Acetamide
Acetic acid esters or 2-butyloctanol
Acetin
Acetindiformin
Acetinformin
Acetinmonoformin
Acetochlorhydrin
Acetochlorhydrin diacetate
Acetone
Acetone oils
Acetonyl acetone
Acetyl acetone
Acetyldicyclohexylamine
Acetylene tetrabromide
Acetylene tetrachloride
Acetylglycolic acid ethylester
Acetylmethylanilide
Acetylmethylanilin
Acetylpalmitic esters
Acetylphenylnaphthylamine
Acridin
Acyl derivatives of polyhydroxy alcohols
Adronal
Adronal acetate
Alcohol
Aldehydes
Aliphatic dicarboxylic acid esters of 2-butyloctanol
Aliphatic monocarboxylic acid esters
Aliphatic monocarboxylic acid esters of 2-butyloctanol
Aliphatic polycarboxylic acid esters
Alphadichlorhydrin
Alkylglycol
Amidophenol
Amyl acetate
Amyl acetate mixed isomers
Amyl alcohol
Amyl alcohol mixed isomers
Amyl alphacrotonate
Amyl lactate
Amyl oxalate
Amylidene diethylether
Anhydrous alcohol
Anilides
Anilin
Anisol
Anol
Anone
Aulflo
Avantine
Apcothinner
Aromatic dicarboxylic acid esters of 2-butyloctanol
Aromatic monocarboxylic acid esters
Aromatic polycarboxylic acid esters
Barkite B
B and L thinners
Benzaldehyde
Benzene
Benzhydrol
Benzidin
Benzin
Benzonaphthol
Benzyl acetate
Benzyl alcohol
Benzyl benzoate
Benzyl chloride
Benzylcellosolve
Benzyldihydrocarvone
Benzylidene acetoacetic ester
Benzylpentaerythritol
Benzol
Betachloroethyl acetate
Betatrichloroethane
Betanaphthyl benzoate
Betanaphthyl phthalate
Betanaphthylamine
Butanol, normal
Butanols
Butyl acetate
Butyl alcohol
Butyl alphacrotonate
Butyl butyrate
Butyl ether, normal
Butyl ethylcarbonate
Butyl formate
Butyl lactate
Butyl oxalate
Butyl propionate
Butyl tartrate
Butylcarbitol
Butylcarbitol acetate
Butylcellosolve
Butylcellosolve acetate
Butylglycol
Butylpentaerythritol
Camphor oil, heavy

(To be continued)

ETHYL ACETATE

Ethyl Acetate is recognized as the best known, most versatile and widely used solvent for nitrocellulose. Its outstanding qualities are low cost, dependable supply, mild, non-residual odor and compatibility with practically all solvents, diluents, plasticizers and resins in general use.

U. S. I. offers three grades of Ethyl Acetate. The most widely used is Commercial 85-88% of pure ester and 12-15% of unconverted alcohol. Next is 95-98%, adjusted to a higher strength for greater ester content. Finally, Ethyl Acetate 99% containing less than 1% of unconverted alcohol and representing the purest type of ester commercially available.



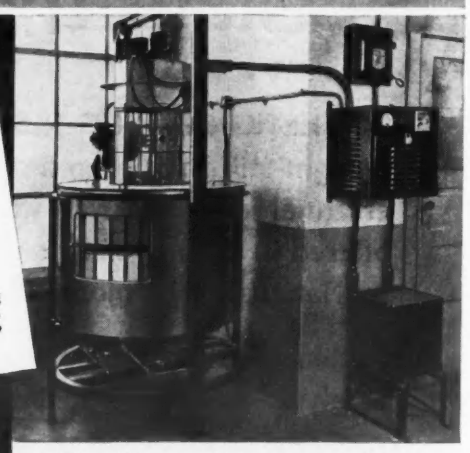
For latest news on products and developments, ask to be put on the SOLVENT NEWS mailing list.

U.S. INDUSTRIAL CHEMICALS, INC.
60 EAST 42nd STREET, NEW YORK
A Subsidiary of U. S. Industrial Alcohol Co.
Branches in All Principal Cities

U.S.I. SOLVENTS AND CHEMICALS
FOR LACQUER, SHELLAC, PAINT AND VARNISH

THE DEVELOPMENTS OF TODAY
are the Products of Tomorrow

BE READY
FOR THE DEMANDS
OF TOMORROW
with products
proved by
dependable test



IN THE
NATIONAL
TRADE-MARK
Accelerated
WEATHERING
UNIT

● The "National" Accelerated Weathering Unit enables new formulas, new processes or new materials to be evaluated promptly and accurately. It eliminates the variations and uncertainties of outdoor exposure and provides a TRUE STANDARD OF COMPARISON for determining the weather resistance of newly developed products.

MAKE THE PRODUCTS OF TODAY'S RESEARCH PROMPTLY AVAILABLE FOR TOMORROW'S MARKET

LET US DEMONSTRATE THE SPEED, ACCURACY AND ECONOMY OF THIS TEST UNIT

NATIONAL CARBON COMPANY, INC.
UCC
Unit of Union Carbide and Carbon Corp.
Carbon Sales Division: Cleveland, Ohio
GENERAL OFFICES:
30 East 42nd Street, New York, N. Y.
Branch Offices:
New York · Pittsburgh · Chicago · St Louis
San Francisco

Paint, Varnish, Lacquer Material

General Market Improved Despite Lead and Lead Oxide Reductions — Congo Gums and Casein Advanced — Chemical Colors in Better Demand—Moderate Changes in Rosin Prices

The market for raw paint materials in general was showing signs of improvement last week, with a reduction in pig lead and a subsequent lowering in car lot prices of lead oxides being the sole depressing influences. The lead reduction came as a distinct surprise, especially since sales the previous week were the best in about two months. With the reduction, there was a much better demand for lead oxides while other pigments held their previous high sales levels.

Several grades of congo gum were advanced due to difficulty in getting shipments out of that area. High freight rates and the limited amounts of shipping facilities gave further strength to the new prices and indicated possible advances in other copal gums this week. Casein was advanced due to a good demand. Prominent producers were in complete disagreement regarding the proper market prices, however, which tended to broaden the general price range. Chemical colors were in much better demand. Rosin prices showed irregularity, changes generally being moderate. Turpentine ruled steady. Domestic and foreign trade remained quiet. Primary receipts were below expectations.

Metallic Lead and Zinc

In a surprise move, the producers of pig lead reduced the price 10 points last week. After the reduction the price was 5c. to 5.05c. per pound at New York and 4.85c. at St. Louis. This marked the first change in price since April 10, when it was advanced 10 points. There was no noteworthy change in the slab zinc, with movement of stocks routine and price steady and unchanged.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from May 4 to May 10, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0510@.0515	$0.0495	..* .. ..
Monday	.0510@.0515	.0495	.. .. ..
Tuesday	.0500@.0505	.0485	.. .. ..
Wedn'sd'y	.0500@.0505	.0485	.. .. ..
Thursday	.0500@.0505	.0485	.. .. ..
Friday	.0500@.0505	.0485	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from May 4 to May 10, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0515	$0.0375	..* .. ..
Monday	.0515	.0375	.. .. ..
Tuesday	.0515	.0375	.. .. ..
Wednesday	.0515	.0375	.. .. ..
Thursday	.0515	.0375	.. .. ..
Friday	.0515	.0375	.. .. ..

* London exchange closed.

Pigments

Litharge.—Car lot price reduced 10 points per pound. Material now quoted at 6.40c. per pound for New York delivery.

Lithopone.—Demand holding well. Shipments regular. Quotations unchanged.

Orange Mineral.—Market more active. Demand better. Inquiries more numerous. Prices firm and unchanged.

Red Lead.—Car lot prices reduced 10 points per pound. Quoted for New York delivery at 7.40c. per pound for 95 percent material; 8c. per pound for 97 percent and 7.90c. per pound for 98 percent material.

Titanium Pigments. — Shipments moving evenly. Trade slightly quieter but still satisfactory. Inquiries off. Prices firm and unchanged.

White Lead.—Sales volume better. Paint makers more active buyers. Quotations unaltered.

Price Changes

Advanced

Casein, dom., ½c. per lb.
Gum, copal, congo, ¾c. to 1¼c. per lb.

Reduced

Lead, pig, 10 points per lb.
red, dry, c.l., 10 points per lb.
Litharge, c.l., 10 points per lb.
Rosin, gum, 5c. to 10c. per 280 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.7

Market news that may have developed after this report was sent to press will be found on page 4.

Zinc Oxides.—Shipments to rubber tire makers still fairly good. Deliveries regular but slightly smaller in volume. Prices firm and unchanged.

Fillers and Extenders

Barytes.—Contract shipments routine. Spot sales light. Inquiries normal. Prices firm.

Blanc Fixe.—Supplies more available. Business routine during week. Prices unchanged and steady.

China Clay.—Contract withdrawals moderate. Spot sales light. Price steady.

Gypsum.—No new features. Market quiet. Price firm.

Mica. — Demand conservative but satisfactory. Shipments a bit heavier. Prices steady.

Woodflour. — Stocks low in this country. Prices withdrawn for imported material. Shipments uncertain.

Synthetic Resins

Ester Gum.—Little of new feature reported. Contract shipments at previous levels. Spot sales small. Price well maintained.

Chlorinated Rubber.—Routine movement of stocks during week. Inquiries better. Price steady and unchanged.

Naval Stores

A generally steady tone prevailed in Southern and local markets for naval stores last week. Rosin showed irregularity, but changes in quotations were within moderate limits as a rule. Quiet conditions continued to prevail much of the time so far as new business was concerned, although there were reports to the effect that consumption of both rosin and turpentine was holding up well. In some sections the requirements of turpentine con-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Purchasing Agents, June 3-6, Cincinnati.
Production Clubs, Oct. 28-30, Washington.
Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.

Roll in the Barrels
of
PARADURA 540
an outstanding heat-hardening 100% pure phenolic.
PARANOL 54-E
an extremely hard, modified phenolic, very pale and soluble in mineral spirits.
PARANOL 1650
a low-priced modified-maleic resin, pale and hard.
and Roll out Better Finishes

PARAMET SYNTHETIC RESINS

SAMPLES AND DETAILS AWAIT YOUR REQUEST.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

R. W. Greeff & Co. Inc. RWG New York, U.S.A.
INDUSTRIAL AND PHARMACEUTICAL
Chemicals
METHYL ISOBUTYL KETONE
Now available in tank car quantities
Selling Agents for
SHELL CHEMICAL COMPANY

R.W. GREEFF & CO.
10 ROCKEFELLER PLAZA, NEW YORK CITY

CHECKING & CRACKING *with*

WATERGROUND MICA

PAINT FAILURE *Versus* PAINT SUCCESS *And Why*

• The flat, invisible Mica flakes are distributed on the surface, within the film . . . and against the surface painted. These well-distributed flakes are, in general, parallel to the painted surface . . . and staggered.

There results a durable lamination of the flakes which are separated and surrounded by the vehicle. The lamination produces a reinforcing action which like plywood is stronger.

The flat Mica flakes act as do fish scales against cleavage. Result: cracks and checks do not appear.

10 OTHER ADVANTAGES OF MICA

• (1) Controls weathering and chalking. (2) Improves tint retention. (3) Reflects sun rays. (4) Adds flexibility. (5) Prevents corrosion. (6) Retards settling. (7) Produces chemical and electrical resistance. (8) Provides moisture resistance. (9) Improves outdoor and indoor paints, primers and sealers. (10) Provides extra metal protection and improves traffic paints.

WET GROUND MICA ASSOCIATION, Inc.
420 LEXINGTON AVENUE NEW YORK, N. Y.

sumers have increased recently as usual at this season of the year. In the case of rosin there was a disposition among some to await definite news from Washington regarding the movement to have the discount or commission on sales of government supplies of rosin through dealers increased. The CCC is said to be endeavoring to dispose of its holdings of rosin in barrels as soon as possible, owing to the poor condition of the containers. There was also a report that there was a possibility the government would refuse to make further loans after July 1 on rosin marketed in barrels. Receipts of rosin and turpentine in the South continued to run below expectations, the failure of the movement to expand in a seasonable way being attributed to abnormally low temperatures for this period. There were reports of fair sales of rosin recently for export to the Far East. Very few inquiries were received last week from other foreign quarters. The government was still out of the markets of the South last week and the weekly statement of CCC holdings under loans showed no changes.

Turpentine.—A steady tone prevailed in the local market in company with the primary center where offerings were light or moderate and price movements narrow. Purchasing here was apparently limited to comparatively small quantities.

SAVANNAH, May 10.—Following is a record of the turpentine market for the week:—

	Cents (gal.)	Barrels Sales.	Receipts.	Shipments.	On hand
*Saturday	...	...	...	...	.....
Monday	28	51	113	1	8,851
Tuesday	28¼	70	270	272	8,840
Wednesday	28¼	17	200	982	8,067
Thursday	28¼	18	120	...	8,187
Friday	28	5	44	255	7,976

* No trading.

JACKSONVILLE, May 8.—Turpentine receipts, 412 barels; shipments, 319; stock, 32,117.

PENSACOLA, May 4.—Turpentine receipts, 257 barrels; shipments, 460; stock, 9,602.

Markets at Other Centers

Chicago—May 10

Turpentine market quiet and steady.

LONDON, May 10.—Turpentine 54s. 9d. per 112 pounds. Stocks of American as follows:—

	May 10.	Previous week.	Last year.
Barrels	12,568	13,211	17,700

Rosin.—Local quotations showed irregularity at times in company with developments in the South, changes generally being within moderate limits. A fair inquiry was noted in some quarters here for comparatively small quantities for prompt shipment.

SAVANNAH, May 10.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted				
	*Sat.	Mon.	Tues.	Wed. Thurs.	Fri.
B	...	$3.90	$3.90	$3.90 $3.90	$3.90
D	...	4.10	4.10	4.00 4.00	4.00
E	...	4.42½	4.42½	4.40 4.40	4.35
F	...	4.67½	4.67½	4.65 4.62½	4.55
G	...	4.75	4.70	4.67½ 4.67½	4.60
H	...	4.75	4.80	4.70 4.67½	4.60
I	...	4.75	4.85	4.72½ 4.70	4.70
K	...	4.90	4.95	4.85 4.85	4.85
M	...	5.25	5.25	5.20 5.15	5.15
N	...	5.45	5.45	5.40 5.40	5.40
WG	...	5.70	5.70	5.65 5.65	5.65
WW	...	6.20	6.00	6.00 6.00	6.00
X	...	6.20	6.10	6.10 6.10	6.10
		Barrels			
Sales	...	171	143	803 215	148
Receipts	...	1,229	1,128	663 471	1,248
Shipments	...	835	3,021	1,620 ...	1,883
Stocks	...	...	...	... ...	165,510

* No trading.

JACKSONVILLE, May 8.—Rosin receipts, 1,700 barrels; shipments, 2,631; stock, 304,350.

PENSACOLA, May 4.—Rosin receipts, 721 barrels; shipments, 595; stock, 50,872.

Markets at Other Centers

Chicago—May 10

Rosin trade quiet. B grade, $7.20 per lot of 280 pounds; G grade, $8; M grade, $8.10; W.W. grade, $9.20.

LONDON, May 10.—Rosin, W.W., 35s. per cwt.

Pine Oil.—Consumption apparently holding up well. New business quiet. Market steady.

Pitch.—Tone firm. Fair request for small lots. Spot stocks light.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

FIT—(*for somebody else*)

For good results, it pays to buy *fit* when selecting clothes.

It also pays to buy *fit*—in selecting metallic soaps for your products as well.

In practically every case during over a quarter century of experience, Metasap has been able to fit each manufacturer's particular requirements.

Write Us Today !

METASAP CHEMICAL COMPANY

PALMITATES
STEARATES
of ALUMINUM, CALCIUM, LEAD, ZINC

Harrison, N. J. Boston Los Angeles Chicago Cedartown, Ga.

PIGMENT COLORS

for EVERY Job . . .

For the ultimate in strength, cleanliness, permanency and ease of grinding, investigate our line of standard pigments — it will pay you dividends.

Working Samples Sent Promptly on Request

LITHOLS, PARAS
TOLUDINES, RUBINES
MADDER LAKES
CHLORINATED PARA
PIGMENT SCARLET
IRON BLUES, CHROME
GREENS, CHROME YELLOWS
PERMANENT YELLOW
PERMANENT ORANGE

Ansbacher Siegle CORPORATION
Manufacturers of Fine Chemical Pigment Colors
General Offices, Works, and Laboratories
ROSEBANK, STATEN ISLAND, NEW YORK, N. Y.
Boston, Chicago, Los Angeles, Cleveland, Detroit San Francisco, Richmond, Toronto, Can.

Rosin Oil.—Consumers purchasing for current needs only. Prices steady.

Tar.—Selling schedules maintained. Fair movement on contracts.

Dry Colors

Bone Black.—Moving in better volume. Inquiries more numerous. Price steady and unchanged.

Carbon Black.—Shipments to tire makers lighter. Paint manufacturers more active buyers. Quotations unaltered.

Chrome Green.—Demand slightly better. Prices well maintained.

Chrome Yellow.—Demand somewhat improved. Price firm.

Iron Blues.—Ink makers indicate better interest. Takings of paint trade satisfactory. Prices unchanged.

Mercruix Oxides.—Trade still sluggish. Prices steady.

Ultramarine.—Contract shipments normal. Spot sales light. Prices firm and unchanged.

Vermilion.—Demand for English material small. Price firm.

Varnish Gums

Copals.—Twelve Congo grades were advanced. The advances, ranging from ¾c. to 1¾c. per pound, reflected increased shipping difficulties.

Dammars.—Markets were tending firmer both here and abroad. No actual changes made. Demand moderate but satisfactory.

Driers

Palmitates.—Contract deliveries were at good levels. Spot sales small. Prices firm and unchanged.

Stearates.—Shipments on contract were in good volume and fairly regular during the week. Inquiries for spot sales were light. No changes in quoted prices made.

Lacquer Materials

Demand for lacquer materials and solvents held at moderate levels during the past week. Volume gave no indication of expanding, but sellers report satisfactory number of orders from various consuming channels to keep shipments moving at a steady pace. The outlook remained bright. Export inquiries held at good levels. Pricewise no new developments took place, and the market fully maintained its firm position.

Acetone.—Demand moderately active. Good export inquiry. Prices firm. March exports 2,742,195 pounds, valued at $214,428.

Alcohol, Butyl.—New business continued less active. Prices firm. March exports 344,292 pounds, valued at $27.719.

Butyl Acetate.—Moderate inquiry. Prices without change and firm. March exports 821,613 pounds, valued at $87,624.

Cellulose Acetate.—Business continued at satisfactory levels. Prices were unaltered.

Dibutyl Phthalate.—Shipments routine. Prices rule firm.

Ethyleneglycol.—Withdrawals against contracts steady. No change disclosed in the prices.

Methylethyl Ketone.—Consumers made fair size replacements. Prices were well sustained.

Tricresyl Phosphate.—Market continued in a firm position. Business was moderately active.

Shellac

All things considered, demand for shellac was considered to be fairly satisfactory last week. Certainly, over a longer period, has been probably better than the day-to-day flow of business might suggest. Not that there was any substantially large call from consumers. On the contrary, the call bore signs of conservatism in placing new business for the more remote future. In the main, however, the past two months could have been a lot worse, according to some informed opinions expressed last week. Free goods are likely to command something of a premium in the not far distant future. The period during which shipments from Calcutta arrive in blocked condition is not far off and hence those with free shellac in hand show a more conservative approach to sales than at times in the recent past.

Glues and Binders

Casein.—The undertone of the market continued to firm during the period. One prominent producer quoted 20-30 mesh material at 10½c. to 11c. per pound, a ½c. increase, while another quoted 11c. to 12c. per pound, an advance of ½c. to 1½c. per pound. Argentine material was offered at 11c. by a leading producer, a ½c. per pound advance. There were confirmed reports, however, that the imported produce could be bought at 10c. per pound, ½c. lower than the 10½c. quoted two weeks ago.

Glues.—Hide and bone materials were firm and in fairly good demand during the week. Shipments on contract were normal.

Cleveland Paint Club Nominates E.J. Forth

The nominating committee of the Cleveland Paint, Varnish and Lacquer Association has submitted the name of E. J. Forth as president of the organization of the coming year. The slate submitted also named: Vice-president J. L. Caruth, of the National Lead Company; treasurer, J. A. Gehring, of the Pittsburgh Plate Glass Glass Company; and secretary, N. W. Putnam, of the Imperial Paper & Color Corporation.

The annual meeting of the Cleveland group, at which time officers will be elected, will be held May 24, in the Acacia Country Club. The meeting will be preceded by an afternoon of golf and a dinner.

Imperial colors are
Always
carefully processed and supervised in order to give the best results in your formulations

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division GLENS FALLS, N. Y.
The largest manufacturers of chemical pigment colors in America
Branch Offices and Warehouses:
Boston - New York - Philadelphia - Cleveland - Detroit - Cincinnati
Pittsburgh - Toronto - Chicago St. Louis - San Francisco
Baltimore - Dallas - Los Angles - Louisville - Seattle

DISTRIBUTOR WANTED
Large exporting firm in the Netherlands East Indies wishes to make arrangements with a distributor, contacting the Paint and Varnish industry, for import and distribution of their Gum Copals and Gum Dammars. Reply to Box 865, Oil, Paint and Drug Reporter.

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY

LAMP CARBON BONE BLACKS LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

Metal Furniture "STEPS OUT" with MAPICO COLORS

NEW and pleasing colors in paints and enamels have helped to bring metal furniture "out of the kitchen" and into general use for office, homes, clubs and institutions. Among the more attractive shades are the olive greens which are produced by blending Mapico Yellows with moderate priced, blue undertone blacks such as Mapico Black, bone black or lamp black. This combination produces a variety of colors smart in appearance and having great hiding power and resistance to wear. Because only a minimum amount of pigment is required, Mapico-pigmented paints are very economical to produce.

MAGNETIC PIGMENT CO.
BINNEY & SMITH CO.
Distributors
41 EAST 42ND STREET, NEW YORK, N. Y.

MAPICO COLORS
PURE OXIDES OF IRON
• YELLOWS • REDS • BROWNS • BLACK

"JUST TAIN'T NO SENSE IN GRINDING
IRON BLUE"
USE IT FLUSHED
IN ALL TYPES OF PAINT VEHICLES
The Hilton-Davis Chemical Co.
P. O. BOX 8, PLEASANT RIDGE STATION, CINCINNATI, O.

Have You a DRYING PROBLEM?
SOLIDS-LIQUIDS-GASES-SOLIDS-LIQUIDS-GASES-SOLIDS-LIQUIDS-GASES-

Oils, Fats, and Waxes

Chinawood Oil More Active and Higher — Linseed Oil Easier —Moderate Changes in Cottonseed Oil Futures—Dehydrated Castor Oil Lower — Myristic Acid Down — Tallow Off

Business in miscellaneous oils, fats and greases remained quiet last week although chinawood oil and a few other imported commodities met with an improved request. As a rule, however, purchasing was along the same narrow lines noted in recent preceding weeks, buyers still being disposed to adhere to a cautious policy pending further developments abroad. The price trend was again downward.

Offerings of many imported and foreign products were light throughout the week and at the close of the period the tone seemed to be fairly steady. Supplies in the hands of importers and dealers in many instances appeared to be light and the opinion existed in some selling quarters that even a moderate improvement in demand would be likely to find prompt reflection in a firmer tone in all branches of the market.

Chinawood Oil

The local market for chinawood oil was considerably firmer last week. This was mainly a reflection of developments abroad where the trend of prices was upward at times. Quotations were advanced a cent or more by some importers and resellers. In the principal selling quarter quotations were maintained at former levels, these prices still being well above those named by other sellers. The inquiry for spot oil was more active and transactions in futures also showed an increase, prices for forward positions being about ½c. to 1c. above the figures current in the previous week. Importations here last week 1,142 tons from Hongkong.

SAN FRANCISCO, May 8.—Chinawood oil quiet. Tone steady. Quoted 20¾c. per pound, tanks, f.o.b. Pacific Coast ports. Supplies apparently adequate for usual needs of industry.

Vegetable Oils

Castor, Dehydrated.—Quotations ranged from 15½c. per pound upward, according to quantity and seller. Demand good.

Coconut.—Quiet and easy. Crude reduced ⅛c.; refined ¼c. Copra receipts at Manila during week ended May 4 were 106,300 sacks; Cebu 96,600 sacks.

Corn.—Tone shade easier in company with competing products. Crude ⅛c. lower. Offerings light. Fair inquiry.

Cottonseed.—Moderate improvement in demand for edible oil. Quotations maintained by refiners.

Oiticica.—Spot supplies light or moderate. Market steady. Fair request.

Olive.—Denatured advanced about 5c. Larger lots wanted. Offerings light. Foots up ⅛c.

Peanut.—Crude offerings small and prices generally maintained. Fair demand for refined.

Perilla.—Spot quotations underwent little change. Shipment offerings light and firmer. Few transactions reported.

Rapeseed.—Refined firm. Supplies light. Occasional inquiries noted.

Soybean.—Reports of offerings by smaller producers at concessions of ¼c. Other sellers steady. Trade quieter.

Markets at Other Centers

Chicago, May 10.—Vegetable oils have ruled steady. Buying limited to nearby needs.

CORN.—Crude, low acid, 6⅛c. to 6¼c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; 8¾c. to 9c., drums, less car lots.

SOYBEAN.—Crude, 5⅜c. to 5½c. per pound, May-forward.

Price Changes

Advanced

Chinawood oil, 1c. per lb.
Olive oil, denatured, 5c. per gal.
Olive oil foots, ⅛c. per lb.

Reduced

Castor oil, dehydrated, 2c. per lb.
Coconut oil, crude, ⅛c. per lb.
Coconut oil, refined, ¼c. per lb.
Copra, 1/20c. per lb.
Corn oil, crude, ⅛c. per lb.
Grease, ¼c. per lb.
Lauric acid, 1c. per lb.
Linseed cake, 50c. per ton.
Linseed oil, 2-10c. per lb.
Myristic acid, ½c. per lb.
Stearin, ⅛c. per lb.
Tallow, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
103.2	**103.4**	**102.8**	**99.4**

Market news that may have developed after this report was sent to press will be found on page 4.

The market for soybeans on the Chicago Board of Trade was quieter. Following is a price record, per bushel, for the week:—

	High.	Low.	Closing May 10.	Closing May 3.
Cash	$1.10½	$1.09¾	...	...
May	1.10	1.07	$1.07	$1.10
July	1.07¼	1.04½	1.05½	1.07½

San Francisco, May 8.—Vegetable oils quiet. Prices little changed and mostly nominal.

COCONUT.—Sales at 2⅞c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills.

COPRA.—Quiet; 1.60c. to 1.65c. per pound, c.i.f. Pacific Coast ports indicated, with crushers confident of shading this on new business.

OITICICA.—Raw, liquid oil, 18½c. to 19c. per pound, drums, f.o.b. Pacific Coast ports, shipment from Brazil.

PERILLA.—New crop oil may be available soon at 15½c. per pound in tankcars.

TEASEED.—New crop oil, 11½c. per pound in drums; 10½c. tankcars, f.o.b. San Francisco, moderate acid.

Linseed Oil

Flaxseed markets irregular. Linseed oil and cake lower; meal steady. Flaxseed receipts here last week 384,155 bushels.

Flaxseed — DULUTH, May 10. — Flax prices dropped here during the week on lack of commercial demand and on favorable crop prospects in the Northwest. Receipts here picked up, most of the flaxseed coming from Minneapolis for lake shipment.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.03	$1.98	$1.95
Monday	2.02½	1.98	1.95
Tuesday	2.02¼	1.98	1.94
Wednesday	2.02	1.98	1.92
Thursday	2.00	1.97	1.91
Friday	2.00	1.97¼	1.91

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	50,160	.....	51,775	.....
Since Aug. 1..	4,109,511	1,587,266	4,034,297	1,589,951

MINNEAPOLIS, May 10.—Demand for cash flax continued very good through the week and prices held firm compared with futures. Offers were moderate from day to day and most of the supply went to Duluth for shipment down the lakes. Some of the seed was sold to go to Chicago and other outside points. Stocks in elevators here decreased 55,000 bushels in three days. Seeding season is advancing by jerks and farmers have a more definite idea of what they intend to plant so some flax is coming to market that had been held back for seeding purposes. Soil conditions are the best in many years and barring grasshopper damage farmers are pretty well satisfied with the outlok. Government agencies already have started buying bran for poison bait for grasshoppers and crickets.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$2.01	$1.95	$1.92
Monday	2.00½	1.94¼	1.92
Tuesday	2.01½	1.95½	1.91
Wednesday	2.00	1.94	1.88¼
Thursday	1.98	1.93	1.88
Friday	1.98	1.93	1.88½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	56,000	12,000	47,600	7,200
Since Sept. 1..	4,276,600	1,642,340	2,046,500	624,900

WINNIPEG, May 10.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$2.02½	$2.02½	$2.05
Monday	1.95	1.95	1.99½
Tuesday	1.97	1.97	2.00
Wednesday	1.98¼	1.98¼	2.01
Thursday	1.97¾	1.97¾	2.00¾
Friday	2.07¾	2.07¾	2.10¼

BUENOS AIRES, May 10.—Opening prices per bushel on May contracts were:—

	Last week.	Last year.
Saturday	...	$1.13
Monday	$1.40½	1.13
Tuesday	1.41⅛	1.13⅛
Wednesday	...	1.13⅜
Thursday	...	1.13⅜
Friday	1.31⅜	1.13¼

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States	.....	551,000	201,000
United Kingdom	.....	59,000	.....
Continent	205,000	232,000	224,000
Orders	.....	.....	209,000
Others	8,000	.....	71,000
Totals	213,000	842,000	705,000

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Cottonseed Products, May 13-14, New Orleans.
Purchasing Agents, June 3-6, Cincinnati.

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND (*distilled*)
STAR BRAND (*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

EMERY
America's largest producers of
STEARIC AND OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS · GLYCERINE · PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.

"Before You Buy-Ask WECOLINE"

If you are particular about the quality of your products . . . "Ask Wecoline" *an Oil-Processing firm that is very particular about the quality of its fatty acids.*

White, Clear, Vegetable,
FATTY ACIDS
Wecoline's Fatty Acids are exceptionally pure, light colored, and brilliant. *Specifications and samples will be sent for the asking . . .* on
COCONUT CORN
TEASEED PALM
OLIVE TYPE SOY BEAN
LINSEED COTTON SEED
Also Special Processed Fatty Acids and Oils:—
LAURIC - WHITE OLEIC - CAPRIC
STEARIC

WECOLINE Products, Inc. BOONTON, N.J.
Sales Offices NEW YORK.....CHICAGO.....BOSTON

WOBURN HIGH QUALITY FATTY ACIDS HAVE BEEN THE STANDARD FOR YEARS FOR THE MANUFACTURE OF ALKYDS OF ALL TYPES

(Linseed, Soybean, Perilla, Sunflower, Isoline, Cocoanut, Lauric, Helioline-D)

WOBURN FATTY ACIDS FOR SOAP MAKING LOWER THE COST AND IMPROVE THE QUALITY OF THE SOAP

(Cottonseed, Palm, Cocoanut, Olivine, Distoline, Helioline-D)

WOBURN DRYING OIL (DEHYDRATED CASTOR OIL) PRODUCES THE MOST DURABLE OF ALL FILMS AND FILMS WITH SUPERIOR COLOR RETENTIVE PROPERTIES

(Isoline)

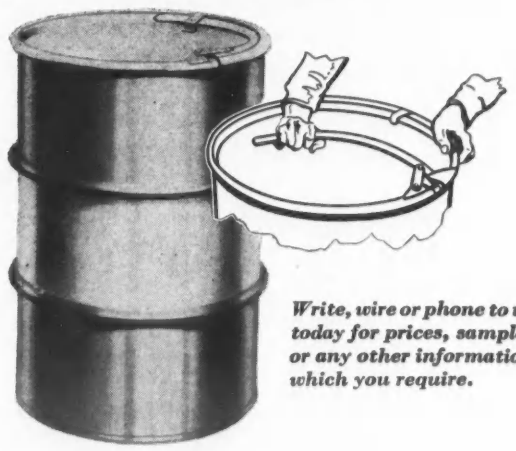
WOBURN DEGREASING COMPANY OF NEW JERSEY

Chemical Division HARRISON, N.J.

Rheem
REGISTERED TRADE MARK

Manufacturers of "Oil Type" and full removable cover "QUICK LOX" steel shipping drums *Protect-O-Lined* for safe and inexpensive shipping of—

Sulphonated Oils
and similar products



Write, wire or phone to us today for prices, samples or any other information which you require.

RHEEM MANUFACTURING CO.
EASTERN DIVISION

NEWARK, N. J.
105 Avenue L
Mitchell 2-8465

CHICAGO, ILL.
3425 So. Kedzie Avenue
Lafayette 1435

HOUSTON, TEXAS
1401 Lockwood Drive
Preston 3131

NEW ORLEANS, LA.
1115 So. Liberty Street
Raymond 7301

Since January 1

To—	This year.	Last year.
	—Bushels—	
United States	7,576,000	7,381,000
United Kingdom	5,053,000	536,000
Continent	9,499,000	11,502,000
Orders	598,000	5,866,000
Others	154,000	1,795,000
Totals	22,880,000	27,080,000

Visible Supply

	Bushels.
Last week	5,906,000
Previous week	5,900,000
Last year	6,299,000

HULL, May 10.—La Plata flaxseed quoted at £18 per long ton; Bombay, £21¼.

Linseed Oil.—Competition among sellers was keener in the absence of any improvement in demand and the market was easier, quotations generally being reduced two points. Few inquiries were received from consumers and dealers during the week, the attitude of buyers so far as the placing of new orders was concerned still being a waiting one. Withdrawals here on unfilled contracts showed a further increase and reports of a similar character were received from outside points. San Francisco correspondence reported the movement of new crop flaxseed to the California mills, adding that the indications pointed to shipments of oil to eastern markets during the current season. The Buenos Aires flaxseed market declined sharply on Friday, supposedly on the war news from Europe. Cake was lower here and the opinion existed in some quarters that if the spread of the war in Europe leads to the closing of the export outlet for American cake there may be an upturn in oil prices here in the near future.

MINNEAPOLIS, May 10.—Linseed oil buying is mostly in car lots. Small lot trade improving slowly. Some oil was sold for September shipment, though the seller claimed that new crop prices were not recognized fully. September futures are discounted 6c. under July at present because of new crop prospects. There is no indication that the big buyers have covered their summer requirements and considerable business on the basis of July futures is expected most any time.

Quotations on tankcar lots, f.o.b. Minneapolis, 10.2c. per pound; cooperage, car lots, 10.8c. per pound; warehouse lots, 11.2c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week	2,880,000	1,260,000
Since Sept. 1	100,620,000	53,787,332

SAN FRANCISCO, May 10.—New crop California flaxseed out of the Imperial Valley was in transit to Los Angeles mills during the week. Northern California will be getting shipments shortly. Spot oil supplies are rather tight and mills are overtaxed to get contracted shipments out. New buying light. Tankcars, 9.6c. per pound; drum lots, ex-mill, 10c.; drum lots, ex-warehouse, 10.6c.

CHICAGO, May 10.—Linseed oil quiet. Tankcar, 10.2c. per pound; car lots, 10.8c.; less than car lots, 11.2c.

LONDON, May 10.—Linseed oil, 42s. 6d. per cwt.

Cake and Meal.—Meal in fair demand and steady. Cake dull and 50c. per ton lower.

MINNEAPOLIS, May 10.—Linseed meal steady. Crushers are able to sell about as much of a supply as they want to. During recent activity they disposed of their reserves entirely.

At current prices linseed meal is about the cheapest concentrate on the market, basis of feeding value, and mixers are taking more of it in place of soybean and cottonseed meals.

Quotations on carload lots, f.o.b. Minneapolis, 100-pound sacks, $30.50 to $31 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week	3,680,000	1,840,000
Since Sept. 1	139,410,000	74,146,650

CHICAGO, May 10.—Linseed meal fairly active. Round lots, $31 per ton, largely nominal; car lots, $31 to $31.50; less than car lots, $33 to $33.50.

Cottonseed Oil

Refined cottonseed oil futures quiet. Prices irregular. Southern markets steady. Cotton crop news unfavorable.

Cottonseed Oil.—Refined oil futures were irregular in the local market. Fluctuations were again within comparatively narrow limits, the range between the high and the low prices of the week being only about 20 points. Commission house participation was on a small scale, many outside traders being disposed to hold aloof for a time pending further developments in the situation abroad. Uncertainty concerning the monthly cottonseed report from the Census Bureau also had a tendency to restrict operations. Trade interests were credited with purchases on weak spots.

There was further switching from near to distant positions though operations of this character were lighter than in the previous week. May was switched to July at a difference of 3 points and to December at 9 to 10 points difference. July was switched to September at 7 points difference and to December at 10 to 11 points. Additional tenders on May contracts brought the total for the month thus far up to 18. Some vegetable products which compete with cottonseed oil were lower. Sales of tallow were reported at a further decline. Marketing of hogs showed an increase and at times the trend of hog prices was downward.

Arrivals of hogs in the prinicpal Western centers for four days of the week aggregated 241,400 heads against 121,800 head in the same time last year. The weight of the hogs received in Chicago during the week ended May 4 averaged 245 pounds for gilts and barrows, the same as in the previous week. Domestic and export trade in lard was generally quiet. A somewhat better request was reported for cash refined cottonseed oil. Reports concerning the progress of the new cotton crop were regarded by some as mainly unfavorable, the chief drawback in the situation being the continued prevalence of unseasonably low temperatures.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from May 4 to May 10, inclusive, comprise 571 contracts, a total of 34,260,000 pounds. Following is a price record for the week:—

	—Cents per pound in tanks— High.	Low.	Close.
May	7.00	6.71	7.00@7.15
July	7.18	6.81	7.13 sale
September	7.25	6.87	7.23 sale
October	7.25	6.88	7.25@7.27
December	7.31	6.90	7.30@7.31

Crude, Southeast, .06c. nom.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
SPOT Woolworth Building New York, N. Y. FUTURE

Stearic Acid Oleic Acid Fatty Acids
(RED OIL)
A. GROSS & CO., 122 East 42nd Street, New York
ESTABLISHED 1837 FACTORY, NEWARK, N. J.

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal)
New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yopps, Robinsons, Bentleys, A. B. C., 5th Edition, Peerless

Chicago, May 10.—Cottonseed oil trade fairly good. Refined, edible oil, 9c. to 9¼c. per pound, barrels, car lots; and 9½c. to 9¾c. barrels, less than car lots.

Hull, May 10.—Cottonseed oil, refined, 35s. 7½d. per 12 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Spot quotations were apparently well maintained in most parts of the South. Offerings continued light. Fair meal inquiry.

Markets at Other Centers

Atlanta, May 8.—Prime crude cottonseed oil 5⅞c. per pound; 8 percent meal $31.50 to $32 per ton. Planting is progressing.

Memphis, May 9.—Crude cottonseed oil quiet. Last sales at 5¾c. Few tanks offered at 5⅞c. Prime 41 percent meal, $31 per ton. Cake, $28.25 per ton, Valley basis, prompt. Hulls, $9, mill points. Cotton crop continues backward. Memphis' spectacular cotton carnival week commences Monday, May 13. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	May 2.	May 9.
May	$29.60@29.70	$29.60@30.00
July	24.75@27.50	27.50@—
September	25.40@25.50	25.20@25.50
October	24.10@—	23.85@—
December	23.70@23.95	23.50@—

Fatty Acids

Castor Oil.—Steady movement into consuming channels on contracts. New business fair. Prices maintained.

Coconut Oil.—Raw material easier. Fatty acid prices stationary. Demand moderate.

Cottonseed Oil.—Fair movement on contracts. New business quieter. Prices steady.

Lauric Acid.—Quotations on technical 1c. lower. Fair movement to local and other consumers.

Myristic Acid.—Available at concessions of ½c. Business quiet and routine.

Red Oil. — Consumption reported holding up well. New business quieter last week.

Stearic Acid.—Fair movement to local and outside consumers on contracts and transient orders. Raw material easier.

Chicago—May 10

Fatty acids in fair demand and steady.

RED OIL.—Distilled or saponified, 7½c. to 8½c. per pound; tanks, 7c. per pound.

STEARIC ACID. — Distilled, single press, 10c. to 11c. per pound; double press, 10½c. to 11½c.; triple press, 13¼c. to 14¼c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 9c. to 9¼c. per pound, tankcar; 9½c. to 9¾c., barrels, car lots; 10c. to 10¼c., barrels, less than car lots; coconut oil, acidulated, 10c. to 10¼c. per pound, tankcar, mostly nominal; 10½c. to 10¾c., barrels, car lots; 11c. to 11½c., barrels, less than car lots; cottonseed oil, double distilled, 8½c. to 8¾c. per pound, tankcar; 9c. to 9¼c., barrels, car lots; 9½c. to 9¾c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3c. to 3¼c.; boiled down soap stock, 65 percent basis, 4c. to 4¼c.; cottonseed foots, 50 percent basis, 1¾c. to 2c.

Fish Oils

Menhaden.—Demand for refined oil limited to small or moderate lots. Market steady.

Sardine.—Refined oil selling schedules maintained. Business generally slow.

Sperm. — Fair movement on contracts and transient orders. Prices steady.

Whale. — Small-lot business somewhat better. Quotations unchanged.

Markets at Other Centers

Baltimore, May 8.—Several tanks old crop crude menhaden sold on spot at 35c. per gallon. Other small lots apparently available same basis though holders not eager sellers. Fishing better off Florida coast. Refined oil quiet and steady.

San Francisco, May 8.—Quotations on crude California sardine oil around 40 cents per gallon bid, 41 to 42 cents asked. New production on the Coast will be under way probably next month, but California's season doesn't begin until August.

Fats and Greases

Grease.—Easier with other markets. Prices shaded ½c. to ¼c. Trade quiet.

CHICAGO, May 10.—Choice white grease, tierces, 4½c. to 4¾c. per pound; yellow, 4½c. to 4⅝c.

Lard.—Local cash price changes narrower in company with futures. Domestic and export movement light.

CHICAGO, May 10.—Domestic trade in cash lard quiet. Shipping demand fair. Following is a price record, per 100 pounds, for the week:—

	High.	Low.	Closing May 10.	Closing May 8.
Cash	$6.42	$6.10	$6.42	$6.27
May	6.37	6.05	6.37	6.22
July	6.60	6.22	6.60	6.42

Stearin.—Trade quieter and tone easier. Quotations shaded ⅛c.

CHICAGO, May 10.—Prime oleo stearin, barrels, 6c. to 6¼c. per pound.

Tallow.—Offerings freer and tone easier. Sales at 4¾c. for extra and subsequently at 4⅝c. Total transactions estimated 1,500,000 pounds.

CHICAGO, May 10.—Edible tallow, tierces, 4⅝c. to 4¾c. per pound; inedible, prime, 4½c. to 4¾c.; special, 4⅜c. to 4⅝c.

Trading in tallow futures on the New York Produce Exchange from May 4 to May 10, inclusive, comprised 2 contracts, a total of 120,000 pounds. Following is a price record for the week:—

	High.	Low.	Close.	
	Cents per pound in tanks			
July	...	...	4.60	bid
September	4.75	4.75	4.60	bid

Animal Oils

Lard.—Business quiet and of a routine character. Market steady.

CHICAGO, May 10.—No. 1 lard oil, 8¼c. to 8½c. per pound.

Neatsfoot.—Purchasing confined to small or moderate lots for prompt shipment.

Oleo.—Somewhat better request for moderate lots. Prices maintained.

CHICAGO, May 10.—Prime oleo oil, 8c. to 8¼c. per pound.

Tallow.—Tone remained steady. No broadening of trade.

CHICAGO, May 10.—Acidless tallow oil, 8¼c. to 8½c. per pound.

Waxes

Bayberry. — Still competitive and reasonably easy. Demand quiet.

Bees.—Reasonably steady, but tending in favor of buyers. Demand fairly sustained at recent levels. Quotations on refined and bleached wax steady.

Candelilla.—Firm at the late advance. Call stimulated by high cost of carnauba.

Carnauba. — Some report demand turned spotty and less pressing. High prices curtailing firm orders considerably. Quotations firm on Brazil, being reflected here despite tapering off in current call.

Japan.—Quiet. Prices more favorable here than in Japan. Fair stocks available.

Cottonseed Shippers Refunds Unlawful

—*Continued from page 5*

to 8.5c. for inbound distances of from 5 to 170 miles. The Mississippi Public Service Commission refused to approve a similar prior tariff on the railroad.

The commission decided the refunds are not allowances within the meaning of the interstate commerce act, since shippers or owners of the traffic do not perform any part of the transportation service. In addition, the decision holds the company must secure the approval of the other railroads before making refunds on goods moving over their lines. The commission declared the allowances would constitute a "device" by which the company would refund a portion of the rates lawfully in its filed tariffs.

Emery Relocates N.Y. Office

Emery Industries, Inc., Cincinnati, has moved its New York office to larger quarters in the Woolworth building. Office were previously maintained on the twenty-first floor in the same location. The new room number is 1336. The new telephone number of the New York office, which is under the management of H. D. Armitage, is Cortland 7-4393 and 4394.

Munier Joins F.O. Pierce Co.

Rolland C. Munier has been appointed general salesmanager for the F. O. Pierce Company, paint manufacturer, Brooklyn, of which Harry R. Hillman is president. Mr. Munier was formerly sales manager of the metropolitan New York area for John W. Masury & Son, paint manufacturer, Brooklyn.

Proprietary Ass'n To Meet May 20-22

—*Continued from page 5*

"Discussion of Proposed and New Laws Affecting the Drug Export Market," by J. D. Bohan, of the Centaur Co.

Discussion of Current Problems, J. D. Bohan, discussion leader.

Veterinary Section

May 20, 6:30 p.m.

Chairman, H. M. Clark.

Opening Greetings by President Beardsley.

"Advertising of Veterinary Remedies," by Thomas Gilliam, jr., of N. W. Ayer & Son.

"The 1938 Federal Food, Drug and Cosmetic Act as It Affects Veterinary Remedies," by Dr. Henry E. Moskey, of the Food and Drug Administration.

Round Table Discussion, H. M. Clark, discussion leader.

General Sessions

May 21, 10:00 a.m.

President, Charles S. Beardsley, presiding.

Opening remarks of the presiding officer.

Reading of telegrams and notices by Charles P. Tyrrell, secretary.

Appointment of committees.

Welcoming of guests and delegates.

Report of the membership committee.

President's address.

Advertising Clinic

May 21, 2:30 p.m.

Chairman, William Y. Preyer.

"The Federal Trade Commission and Its Relations to Advertising," by E. L. Davis, chairman, Federal Trade Commission.

"Facts and Trends in the Drug and Cosmetic Field," by A. C. Nielsen, of the A. C. Nielsen Company.

Discussion of advertising and question and answer period, Dr. F. J. Cullen, discussion leader.

General Session

May 22, 10:00 a.m.

"Discussion of the Requirements of the 1938 Federal Food, Drug and Cosmetic Act," by W. R. M. Wharton, of the Food and Drug Administration.

"Relationship of Research to the Proprietary Medicine Industry," by Dr. Howard W. Haggard, of Yale University.

Report of Legislative Committee.

Report of Publicity and Public Relations Committee.

Report of Scientific Section.

Report of Foreign Trade Section.

Report of Veterinary Section Activities.

Report of Transportation Committee Activities.

May 22, 2:30 p.m.

Address by General Counsel, James F. Hoge.

Report by Executive Vice-President, Dr. F. J. Cullen.

Report of Committee on Deceased Members.

Report of Auditing Committee.

Report of Finance Committee.

Report of Nominating Committee.

Election of Officers.

J.J. O'Donohue Named To Head Produce Exch.

James J. O'Donohue has been nominated for re-election as president of the New York Produce Exchange for the ensuing year at the annual election to be held June 3. Laurel Duval has been nominated for re-election as vice-president, and William B. Fritz for election as treasurer. B. H. Wunder has been nominated for re-election as trustee of the gratuity fund for three years. The following candidates have been nominated for the board of managers to serve two years:—George Carmichael, James Lovatelli, J. R. Collins, jr., W. L. Wieland, H. E. Norris and James J. Ryan.

SUN BLEACHED
Beehive Brand BEESWAX • Finest Quality • Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E-5 Syracuse, N. Y.
Established 1855
Spermaceti Ceresine Red Oil Glycerine Stearic Acid
WARRANTED PURE BEES WAX

HEEKIN
LITHOGRAPHED METAL CONTAINERS
Make Your Product Distinctive . . . .

No matter your product the container plays an important part in its sale. There is an association of ideas formed by the appearance of your merchandise . . . the container must be attractive, colorful, beautiful . . . it must convey QUALITY.

Heekin enjoys an enviable reputation for reproducing any color of the rainbow without loss of detail. Sturdily constructed and beautifully lithographed, Heekin Metal Containers make your selling job EASIER . . . your product more DISTINCTIVE. Let us work with you . . . write today!

THE HEEKIN CAN CO., CINCINNATI, O.

Fine CHEMICALS

HEXAMETHYLENETETRAMINE
(Methenamine)
. . . in a wide range of Granulations, particularly adapted to the needs of the Tablet Manufacturer . . . Available also in Crystal and Powder form.

Formaldehyde
•
Paraformaldehyde
•
Acetylsalicylic Acid
•
Sodium Salicylate
•
Salicylic Acid
•
Methyl Salicylate
•
Minor Salicylates
•
Creosote
•
Creosote Carbonate
•
Guaiacol
•
Guaiacol Carbonate
•
Potassium Guaiacol Sulfonate
•
Potassium Creosote Sulfonate
•
Benzoate of Soda
•
Benzoic Acid
•
Benzyl Chloride
•
Benzaldehyde
•
Bromides
•
Silver Proteins
•
Glycerophosphates

FINE HEYDEN CHEMICALS

HEYDEN Chemical Corporation
50 UNION SQUARE NEW YORK, N. Y.

CHICAGO BRANCH: 180 N. WACKER DR.
Factories: Garfield, N. J., Fords, N. J.

Drugs, Fine Chemicals

German Invasion of Holland Eliminates Major Source of Quinine —Domestic Makers and Bandoeng Factory Sole Reliance of Home Consumers—Tartar Products Strong

Radio broadcasts received from Europe May 10 at two in the morning announced the German invasion of Holland, Belgium and Luxemburg. The prompt reaction in this market was the equally prompt tightening of the quinine market. Quinine production will stop eventually in Holland since the factories there depend on cinchona bark brought from the Netherlands East Indies. Invasion of Holland ends the shipment of bark to that country. American quinine manufacturers have been importing bark direct from the East Indies since the war began. But the American consumers have also depended on substantial imports of quinine from Hollander factories. These are now cut off. United States requirements must be supplied from bark and quinine brought here from the East Indies; there is a factory at Bandoeng. How long that may be possible and at what cost remains to be developed.

During the week Germany secured full control of southern Norway and, hence, the codliver oil refineries at Bergen and Aalesund. The fishing banks off the Lofoten and Finmarken Islands, adjacent to Narvik, are controlled by Great Britain. On Friday, Great Britain landed troops in Iceland, the country on which the United States must depend for major supplies of codliver oil.

Consumers of quicksilver will probably have to depend more and more on domestic and Mexican production of that metal. The spread of war in Europe certainly will not make for larger shipments of quicksilver at reasonable prices for consumers in the United States.

Spread of the war also makes position of crude tartar that much stronger. Hence, all tartrates strengthened and the tendency of prices was still upward.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
200.2	200.2	199.3	183.1

Market news that may have developed after this report was sent to press will be found on page 4.

Acetone. — Firm. Moving well. Prices maintained sturdily. No weakness apparent.

Acetophenetidin.—Routine trading. Volume about normal. Prices steady to firm. Signs of change lacking.

Acid, Acetylsalicylic. — Substantial demand well maintained. Trading normal in all respects. Prices quiet but steady.

Acid, Boric.—Well stabilized. No intimations of price change on contracts, July foward. Movement very good.

Acid, Citric.—Signs of expanding demand noted. Gain to be seasonal. Full price stability assured over principal consuming season.

Acid, Gallic.—Routine activity the rule. Full firmness of prices noted. No signs of unsettlement.

Acid, Nicotinic.—Selling actively and free at fully firm prices.

Acid, Tannic.—Steady to firm. Little competition. Production cost maintained by price of raw material.

Acid, Tartaric.—Still strong. Signs of early change lacking. Future of prices depends on raw material developments.

Aconitine.—Very steady. No stimulation of demand for some time past. Prices maintained.

Alcohol.—Strength of raw material stiffens market. Demand also a factor in price maintenance on firm basis. Movement very steady and along normal lines. Based on raw material situation, price tendency should be upward.

Aloe.—Curacao firm at recent decline. Present market well maintained. Competition negligible.

Aloin.—Slightly lower spot price on raw material. No change in aloin schedule. Movement conventional. About normal.

Ammonia Benzoate.—Better call for smaller quantities. Large lots in normal transfer to consumers. Prices fully stable.

Ammonia, Chloride.—U.S.P. item in normal movement. Prices very steady. Production up to current requirements.

Ammonia Citrate.—Very good call. Somewhat broader than of late. Undertones very steady. Prices fully stable.

Ammonia, Hypophosphite.—Seasonal requirements reach normal expansion. Very good demand. Very limited competition.

Ammonia, Salicylate. — More inquiry. Some betterment in sales volume. Undertones firmer. Prices steady.

Ammonia, Thiocyanate.—Increased activity along jobbing lines. Fully firm market in all respects.

Antipyrene.—Demand drops to normal size for season. Very satisfactory situation regarding consumption.

Barium Chloride.—C.P. call conventional but steady at full prices.

Barium Sulphate.—X-ray item normally active. Quotations firm on unchanged basis.

Berberine. — Steady. Not specially active. Stocks in firm hands. Prices maintained.

Bismuth Metal and Salts.—Demand very good. Normal call for minor salts augments better movement of major items. Prices stabilized.

Borax.—Prices, second half of year, seem likely to hold unchanged. Business satisfactory and exceptionally steady.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Toilet Goods, May 14-16, *New York.*
Proprietary Association, May 20-22, *New York.*
Purchasing Agents, June 3-6, *Cincinnati.*
Amer. Pharmaceutical Manufacturers Ass'n, June 9-13, *Colo. Springs.*
Federal Wholesale Druggists, Sept. 8-11, *Hot Springs.*
National Wholesale Druggists, Sept. 30-*Oct.* 3, *White Sulphur Springs.*
DCAT outing, Oct. 18-19, *Skytop.*

Cadmium.—Metal and salts moving very well. Full price maintenance indicated limited competition.

Caffeine.—Demand excellent. Little improvement in stock availability, especially on export account. Domestic needs being met, apparently.

Calcium Gluconate. — Item finding increasing use under influence of skilled sales propaganda. Prices attractive.

Castor Oil.—Dehydrated oil lower at 15½c. to 16c. per pound, tanks. Drums down proportionately. No open change in U.S.P. cold pressed nor No. 3 extracted. Market weaker because of much lower raw material cost.

CHICAGO, May 9.—Castor oil steady. Prices are:—Cold pressed, USP, barrels, car lots, 13⅝c. per pound; barrels, less than car lots, 14⅜c.; returnable drums, car lots, 13⅜c.; drums, less than car lots, 14⅛c.; tanks, 12⅞c.; extracted, No. 3, barrels, car lots, 13⅛c.; barrels, less than car lots, 13⅞c.; returnable drums, car lots, 12⅞c.; drums, less than car lots, 13⅝c.; tanks, 12⅜c.

Codeine.—Firm. Foreign situation regarding raw material possibilities serve to stiffen market in all its aspects.

Codliver Oil.—High prices curtail demand. Norway under cloud. Oil refineries in German hands. Fishing banks controlled by British. Norway not likely to refine much oil this year.

Collodion. — Firm. Demand good. Movement well up to normal.

Corn Syrup.—Advance maintained. Demand active and seasonal.

Cream of Tartar.—Good demand. Strong undertones. Raw material no easier nor cheaper.

Emetine.—Strength unrelaxed, based on high cost and scarcity of raw material. Demand curtailed.

Ephedrine.—Demand off to limits dictated by season. Prices steady to firm, lacking influence of competition.

Epsom Salt.—Some gain in shipments of technical goods. Movement of U.S.P. normal. Full price maintenance noted.

Eserine. — No surplus. Only very small lots deliverable.

Formaldehyde.—Consumption active and up to normal. Outlook favorable for Summer period.

Glycerin.—Little chance to bargain for merchandise. Fully firm situation favorable to sellers' maintenance of prices. Demand good on domestic account. No large stock accumulation.

CHICAGO, May 9.—Glycerin steady. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots.; 13c., drums, less than car lots; high gravity, 11¾c., tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine. — Lower cost raw material not affecting schedule on this item. Values fully maintained. Demand normally active.

Iodine and Iodides.—Outlook favorable. Sales of tincture likely to show seasonal gain. Prices fully stabilized.

Lithium Bromide.—Quiet but steady. Firm undertone to prices.

Lithium Carbonate.—Jobbing business the main call. Full maintenance of prices.

Lithium Citrate.—Normal selling on the basis of fully stable prices.

Magnesia.—Calcined and carbonate in very good request. Full maintenance of schedule achieved. Outlook satisfactory.

Magnesia Trisilicate. — Offerings on contract at 50c. per pound, 1,000 pound lots or more; smaller lots, 55c.

Mannitol.—High cost and strength of natural manna should expand interest in mannitol. Prices low. Stocks ample.

Mercurials. — Quiet but sustained trading at full market prices. Raw material weakness not extended.

Methanol.—Good movement and firm prices. Monthly statistics production of crude and synthetic methanol, almost the entire output of commodities in the United States, released by Director William L. Austin, Bureau of Census, Department of Commerce, follow:—

Production

	Gallons			
	1940		1939	
	*Synthetic.	Crude.	*Synthetic.	Crude.
Jan..	3,452,677	457,271	2,462,884	351,814
Feb..	3,782,402	446,815	2,267,339	336,157
Mar..	3,462,946	506,937	2,406,564	364,500
T't'ls.	10,698,025	1,411,023	7,136,787	1,052,471

* The refined equivalent would be approximately 82 percent of the crude production.

Wood Carbonized

	Cords	
	1940.	1939.
January	44,323	33,353
February	44,927	31,715
March	47,781	35,301
Totals	137,031	100,369

Methyl Acetone.—Movement holding well. Expected to be maintained. Prices influenced by competition. No open change.

Molasses. Still strong. Price advance maintained fully.

Morphine.—War in Mediterranean area could jeopardize future raw material supplies. Market fully firm and alert to situation.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

U. S. P. and TECHNICAL
CHLOROFORM
Prices on Request
CHAPLAIN & BIBBO, Inc., 110 Washington Street, New York

NATIONAL BRAND MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE POWDERED-GRANULAR
BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

QUALITY SERVICE — GENUINE FRENCH PROCESS — ALFEROX — ZINC OXIDE — AROUND THE WORLD
GENUINE FRENCH PROCESS
ZINC OXIDE
Unexcelled in Quality, Color, Fineness and Purity
For All Pharmaceutical, Cosmetic and Industrial Purposes
AMERICAN FIRSTOLINE CORPORATION
CHEMICALS AND METALS
General Sales and Export Division
All Our Products Are Manufactured in U.S.A.
10-35 45th AVENUE LONG ISLAND CITY, N. Y.
Cable Address: Firstoline Telephone: STillwell 4-6614

WE BUY
RESIDUES — SLIMES — SLAGS
CONTAINING:
NICKEL TIN CADMIUM, etc. | BISMUTH COBALT VANADIUM, etc.
METALLO-CHEMICAL CORP. 117 Liberty St., NEW YORK
Send Us Your Offers

QUICKSILVER
TARTARIC ACID
CREAM OF TARTAR
TEASEED OIL RED OIL FATTY ACID RICE BRAN OIL
LEGHORN TRADING CO., 21 West St., New York City
Branches: Boston Philadelphia

VITAMIN PRODUCTS
FISH LIVER OILS
ATLANTIC COAST FISHERIES CORP. OF N. Y.
111 JOHN STREET, NEW YORK, N. Y.

AMMONIUM CHLORIDE U. S. P.
AMMONIUM SULPHATE PURIFIED
POTASSIUM CHLORIDE N. F.
POTASSIUM SULPHATE N. F.
SODIUM CHLORIDE C. P.
SCHUYLKILL CHEMICAL COMPANY
2346-2354 Sedgley Avenue - - Philadelphia, Pa.

REFINED GLYCERINE
ALL GRADES
CHEMICALLY PURE U.S.P.
CHEMICALLY PURE B.P.
YELLOW DISTILLED-HIGH GRAVITY-DYNAMITE
Refineries located at:
• BROOKLYN, N. Y.
• JEFFERSONVILLE, IND.
• JERSEY CITY, N. J.
• BERKELEY, CALIF.
• KANSAS CITY, KANS.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 Hudson Street Jersey City, New Jersey

THREE ELEPHANT
BORAX AND BORIC ACID
Purity Guaranteed Over 99.5%
The AMERICAN POTASH & CHEMICAL CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada
TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

The LABEL Behind YOUR LABEL . . .

YOUR CUSTOMERS reorder because they are satisfied with your products. They trust your label. To justify their trust, you put into your product the highest quality ingredients obtainable . . . ingredients with a label *you* can trust.

When it comes to botanically-derived items; alkaloids, resins, solid and powdered extracts, oleo-resins, etc., you can fully rely upon those produced under the Penick label by the . . .

PENICK MANUFACTURING DIVISION

Complete scientific control of all production processes, supervision by a staff of specially trained men, a special analytical and research laboratory, tremendous physical facilities . . . all combine toward one end—quality. Little wonder that so many pharmaceutical and other manufacturing firms so confidently place their label over the Penick label.

S. B. PENICK & COMPANY

132 Nassau St., New York 1228 W. Kinzie St., Chicago

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Quicksilver.—Rather narrow spot market. Price decline seems checked. Foreign situation thoroughly mixed. Economical purchase abroad by local users seems impossible.

APEX CHEMICAL CO., Inc.
Manufacturers Since 1900
225 West 34th Street, New York City
Factory—Elizabethport, N. J.

Lactates
Lactic Acid
Sulphonated Oils
Fireproofing Compounds
Waterproofing Compounds
Tartar Emetic Substitutes
Write us for details

COLTON TABLET MACHINE

Model 2-B

Latest model, especially designed for small tablets (⅛ to ½ inch in diameter) and compressed triturates. Highly productive capacity. Rugged construction. Positively, easy compression control.

Send for catalog

ARTHUR COLTON CO.
2624 E. Jefferson Ave., Detroit

December-February, 1939-1940 production data follow:

	Flasks		
Production	1,750	1,800	2,200
Consumption	1,700	2,300	2,000
Imports	1,776	147	3
Exports	96	151	115
*Stocks, consumers	9,900	10,900	10,200
Importers, dealers	376	382	346

*Consumer stocks in plants, bonded warehouse, and domestic transit.

SAN FRANCISCO, May 8.—Quicksilver metal moved in fair quantity. Prices dropped before business was done. Market, $168 to $170, f.o.b. spot.

Quinine.—German invasion of Holland ends Dutch quinine exports. Local sellers reserved. Dependent on production from bark and quinine imports direct from Netherland East Indies. Quantities sold restricted in size. Only regular customers get goods. Speculation to be difficult through strict control of all sales. No change in price yet.

Rochelle Salt. — Normally active. Very firm in price. Subject to high cost raw material. More favorable turn not in sight.

Saccharin.—Very good call. Seasonal gain looked for. Domestic requirements met fully.

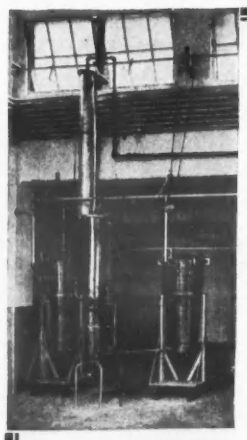
Seidlitz Mixture.—Trading steady. Prices strong. Raw material strength unabated.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	21 7/16
Monday	26⅞	34¾	21 7/16
Tuesday	26⅞	34¾	21
Wednesday	26⅞	34¾	20 15/16
Thursday	26⅞	34¾	21
Friday	26⅞	34¾	..

Chicago Drug Club to Meet

The Chicago Drug and Chemical Association will hold its annual Spring party in the Palmer house, May 25. The entertainment committee is under the chairmanship of J. A. A. Scott. Walter R. Nay, 128 North Wells street, is secretary of the association.



SPECIAL EQUIPMENT FOR THE DRUG AND PROCESS INDUSTRIES

Is a Brighton Specialty. Brighton experience and skill can aid in solving your processing problems and save you money. At the left is shown a recent installation that makes better products than were thought possible. See Brighton for

Extraction Equipment
Heating and Cooling Apparatus
Stills
Varnish Kettles and Trucks

BRIGHTON COPPER WORKS
KINDEL AT CENTRAL CINCINNATI, OHIO

Chain Stores Complete Patman Bill Testimony

—*Continued from page 5*

anti-Patman witnesses and about 30 supporters of chain store taxation presenting their case. The record will comprise some 1,000,000 words.

Summarizing the stand of the chain stores, Roland S. Vaile, professor of economics and marketing at the University of Minnesota and editor of the *Journal of Marketing*, today declared chains are in the public interest because they reduce the cost of distribution, lower the price of goods, reduce the merchants' net profit, improve wages and working conditions of employees, and give independent stores an opportunity for successfully operating new stores.

It is thought the chain stores went to the trouble of presenting the hundreds of witnesses in order to make up an impressive record with which to oppose state tax increases.

J. Bruce Jordan, of the National Drug & Chemical Company, Montreal, has been elected president of the Purchasing Agents Association of Montreal.

Association of the Food, Feed, Drug and Health Officials of the South Central States has elected V. L. Fuqua, Nashville, Tenn., as president; vice-president, Rogers Taylor, Oklahoma City; secretary, Casius L. Clay, New Orleans.

SINCE 1898
Largest Dealers
ALL GRADES
GLYCERINE
REFINED—CRUDE
C. J. Schellings & Co., Inc.
251 Pearl Street New York

Botanical Drugs, Spices, and Gums

Subsurface Attack on Buchu Prices Severe — High Prices Accompany Tolu Balsam Scarcity — Jalap Root Yields Slightly — Dutch and Belgium Items Withdrawn

Although the basic conditions in the market for botanical drugs changed little last week in foreign markets, the spot position of such entities developed considerable, if not especially important, elasticity in prices. A moderate amount of yielding or bending here and there was noted without such developments being of basic significance as regards the long range view of market probabilities and possibilities.

Price developments locally during the period under review resulted mainly from the element of competition. Few if any were the instances where either decline or rise in primary market replacement costs was behind the movement of local quotations. It seemed purely a situation in which competition set the pace and, it may be said, that on special items the pace occassionally was rather swift.

Closing of the Mediterranean Sea to commerce remained a prospect not only very real but also of ominous import to the botanical drug trade in this country. Italy an ally of Germany would mean an end to the export of European crude drugs since the Franco-British forces would promptly plug the two outlets of the Sea—Gibraltar and Suez. Dealers on spot still aver that those consumers who warehoused substantial reserve stocks acted with wisdom and foresight.

On Friday, Germany invaded Holland and Belgium, which meant no more imports of chamomile, valerian, caraway and poppy seeds, and Belgium belladonna and henbane leaves, burdock and doggrass.

Balsams

Peru.—Steady. Demand quiet. Prices maintained. Stocks fair.

Tolu.—Shortage acute. Prices high at $1.40 to $1.45 per pound. No immediate relief in sight.

Barks

Black Haw.—Steady. Demand moderate. No excessive supply. Limited competition.

Buckthorn.—Firm to strong. Stocks moderate. Late price advance maintained. Replacement difficult.

Cocillana.—Moderately easy. No price change. Moderate request.

Orange Peel.—Sweet lower at 11c. to 11½c. per pound under competition. Bitter easier but not changed.

Wahoo.—Carryover fair. Moderately easier undertones locally. Quiet demand.

Beans

Calabar.—Dull. Prices unchanged.

St. Ignatius.—Quiet. Prices steady.

Vanilla.—Strong, basically. Occasional but slight price unsettlement. Fair demand most of the time. Foreign markets show strength.

Berries

Hawthorn.—New crop coming along.

Price Changes

Advanced

Anise, Bulgarian, ½c. per lb.
Star, ½c. per lb.
Chamomile flowers, Roman, 2c. per lb.
Cardamom, bleached, 5c. per lb.
decorticated, 2c. per lb.
green, 2c. per lb.
Doggrass root, cut, 2c. per lb.
Ginger, Jamaica, bright grinding, ½c. per lb.
Horehound herb, ½c. per lb.
Mustard seed, California brown, ½c. per lb.
Roumanian yellow, ½c. per lb.
Rapeseed, Dutch, 3c. per lb.
Tolu balsam, 30c. per lb.

Reduced

Buchu leaves, 15c. per lb.
Cassia, Batavia No. 1, ¼c. per lb.
shortstick, ¾c. per lb.
China, rolls, select, ¾c. per lb.
rolls, broken select, ¼c. per lb.
Clove, Amboyna, 2c. per lb.
Hawthorn berries, 2c. per lb.
Jalap root, whole, 2c. per lb.
powdered, 5c. per lb.
Mace, Banda, 2c. per lb.
Marjoram leaves, Chilean, ½c. per lb.
Orange peel, sweet, 1c. per lb.
Pepper, black Lampong, ¼c. per lb.
Tellicherry, ½c. per lb.
white, Java Muntok, 1/7c. per lb.
Singapore Muntok, ¼c. per lb.
red, chillies, Japanese, ¼c. per lb.
Mombassa, 2½c. per lb.
Pimento, 1½c. per lb.
Poppy flowers, red, 5c. per lb.
Raspberries, dried, 5c. per lb.
Saffron, Spanish, $1 per lb.
Stramonium seed, 2c. per lb.
Savory, ½c. per lb.
Spikenard root, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, cmpare as follows:—

Last week.	Prev. week.	Last month.	Last year.
192.2	**193.5**	**195.7**	**122.9**

Market news that may have developed after this report was sent to press will be found on page 4.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	1,915
Belladonna	69	285
Caraway	640	10,480
Cardamom (cases)	...	755
Celery	...	2,676
Coriander	600	4,560
Cumin	1,194	3,871
Digitalis leaves (cases)	1	1
Dill	...	199
Fennel	290	803
Henbane leaves (bales)	219	219
Mustard	2,800	6,077
Poppy	200	13,205
Sage leaves (bales)	...	44
Sesame	1,043	5,701
Stramonium	117	334
Thyme	...	943

Prices lowered to 26c. to 28c. per pound on old crop goods.

Juniper.—Spot prices range 12c. to 15c. per pound as to seller. Market steady.

Raspberries.—Lower at 55c. to 60c. per pound. Another crop developing in Pacific Northwest.

Flowers

Chamomile.—Roman flowers higher at 52c. to 55c. per pound. Market strong. Hungarian firm.

Lavender.—Quiet. Fairly easy. Light demand.

Poppy.—Red flowers lowered to 85c. to 90c. Competition.

Rose.—Inactive. Prices firm. Stocks conservative.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Proprietary Association, May 20-22, New York.

OLD IN EXPERIENCE • YOUNG IN IDEAS
HOPKINS DRUGOLOGY
TRADE-MARK
Importers, Exporters and Millers of the world's best crude drugs
J. L. HOPKINS & CO. NEW YORK
50 YEARS UNDER THE SAME MANAGEMENT

GUMS
IMPORTERS
GUM ARABIC
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
GUM KARAYA
NEW ENGLAND REP. G. H. BUNTON CAMBRIDGE, MASS.
PHILADELPHIA REP. R. PELTZ & CO. 36 KENILWORTH ST., TEL: LOMBARD 6359
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. HANOVER 2-1750

WE HAVE THE FOLLOWING TO OFFER:
ANISE SEED, Bulgarian
CANARY SEED, Morocco 2%
CELERY SEED
French and India
CLOVES MADAGASCAR
CORIANDER SEED
Hungarian and Moroccan
CUMIN SEED
FOENUGREEK SEED
MARJORAM LEAVES, French
PARSLEY SEED
SAGE LEAVES
SESAME SEED HULLED
THYME LEAVES, French
AMINOPHYLLIN
ASPIRIN, QUININE AND OTHER TABLETS
BARBITAL
CAFFEINE
CARBOLIC ACID CRYSTALS
EPHEDRINE SALTS
ICHTHAMMOL
LANOLIN ANHYDROUS
MENTHOL
Japanese and Chinese
MILK SUGAR U.S.P.
PETROLATUM U.S.P.
STRYCHNINE
NORWEGIAN COD LIVER OIL, Medicinal and Poultry
ORANGE OIL, Sweet
PEPPERMINT OIL U.S.P.
SAVIN OIL
AGAR AGAR JAPANESE
Shreds, Cut and Powder
ALOES, Curacao and Cape
BALSAM PERU
BELLADONNA LEAVES
BELLADONNA ROOT
CORIANDER OIL, U. S. P.
GENTIAN ROOT
GRAINS OF PARADISE
GUM ARABIC AMBER SORTS
GUM CAMPHOR JAPANESE
Powder, Slabs and Tablets
HELLEBORE ROOT WHITE
HERBE MENTHE
HOREHOUND HERB
IPECAC ROOT
LAVENDER FLOWERS
Hand Picked and Prime
LINDEN FLOWERS
MAHUANG, CHINESE
MALEFERN ROOT
ORRIS ROOT VERONA
PSYLLIUM SEED
Black and Blonde
PSYLLIUM SEED HUSKS
RHUBARB ROOT
UVA URSA LEAVES
WAX JAPAN
All orders and inquiries will be given immediate attention.
Write for our catalog on tablets, liquids and other pharmaceuticals.
KACHURIN DRUG COMPANY
Manufacturers - Importers - Exporters - Distributors
DRUGS - CHEMICALS - OILS - BOTANICALS
525 West 43rd Street, New York, N. Y.
Telephone: BRyant 9-7400-1-2-3-4-7456
Cable Address: Kachurin, New York
Codes: A. B. C. 5th & 6th Edition and Bentley's

HYDROXY CITRONELLAL SPECIAL

Stability in Soap and Cosmetic Perfumes is assured by the use of HYDROXY CITRONELLAL SPECIAL.

The fact that ordinary Hydroxy Citronellal turns rancid in time has long been a drawback. This new product remains stable indefinitely.

The odor you incorporate in your product is of no greater value to you than its condition on reaching the ultimate consumer.

Considering the fact that HYDROXY CITRONELLAL SPECIAL, because of its stability, is no more costly in the long run than the ordinary grade, it is readily understandable why some of the largest users of the product have adopted it.

Requests for samples on your firm's letterhead will be promptly answered.

Phenyl Ethyl Alcohol Verona
Ionone 100% Verona
Ionone Methyl Verona
Alpha Amyl Cinnamic Aldehyde Verona

AROMATICS DIVISION
GENERAL DRUG COMPANY
170 VARICK ST., NEW YORK — TRANSPORTATION BLDG., LOS ANGELES, CAL.
9 SO. CLINTON ST., CHICAGO, ILL. — 907 ELLIOTT ST. WEST, WINDSOR, ONT.

Saffron.—Spanish shaded to $26 to $28 per pound. Light call. Mexican flowers steadier.

Gums

Arabic.—Competition still keen. No further breaking of open quotations. Conditions favor buyers. Call routine.

Asafetida.—Dull. Firm prices. Little competition. Shipment from primary market subject to delay.

Benzoin.—Demand hand-to-mouth. Prices steady at late decline.

Camphor.—Very firm. Demand excellent. Synthetic production engaged well ahead. Seasonal rise in consumption indicated.

Herbs and Leaves

Buchu.—Competition keen. Sales made under 55c. per pound. Primary market advanced 1½c. per pound.

Horehound.—Higher. Market 8½c. to 9c. per pound. Conforms with replacement.

Marjoram.—Chilean shaded to 15c. to 15½c. per pound. Other varieties unchanged.

Princess Pine.—Firm. Demand fair. Old crop stocks moderate. No price shading.

Savory.—Lower. Market 14c. to 15c. per pound. Limited demand. Considerable competition.

Miscellaneous

Cantharides.—Chinese flies firm at recent advance. Demand routine. Russian still steady.

Ergot.—Steady, at least on surface. Demand moderate. World stocks low.

Kamala.—No further decline. Undertone still easy. Market remains competitive.

Lycopodium.—Small stocks and demand. Firm prices.

Nux Vomica.—Manufacturing consumption running high. Market firm everywhere.

Roots

Doggrass.—Some quarters aver cut doggrass is same regardless of origin. Others declare Hungarian only meets N. F. requirements. Hungarian priced at 24c. to 25c. per pound. Other varieties higher at 17c. to 18c.

Jalap.—Shaded to 33c. to 38c. per pound, whole; powdered, 35c. to 41c. Range covers sellers' minimum views.

Rhubarb.—Firm. No easing of spot prices. Moderate demand.

Spikenard.—Lower at 20c. to 21c. per pound. Possible less on a firm order. More competition.

Turmeric.—Alleppy root, spot offered at 7c. to 7½c. per pound. Market was bare for long time.

Seeds

Anise.—Bulgarian, higher at 13c. to 13½c. per pound. Star, up to 15½c. to 16c. Others not changed.

Cardamom.—Market higher. Bleached, $1.05 to $1.40 per pound; decorticated, 77c. to 79c.; green, 60c. to 62c. Primary market move forced development.

Mustard.—California brown fraction higher at 9¼c. to 9½c. per pound. Roumanian yellow up to 10½c. to 11c.

Rape.—Dutch sharply up to 10c. to 10½c. per pound. No other change.

Stramonium.—Shaded to 26c. to 28c. per pound. Competition.

Spices

Cassia.—Price shading noted. Batavia, No. 1, 16c. to 16½c. per pound; shortstick, 12¾c. to 13¼c.; China, rolls, select, 9¼c. to 9¾c.; selected rolls, broken, 8¼c. to 8¾c.

Clove.—Amboyna variety down to 22c. to 23c. per pound. Others unchanged.

Ginger.—Bright grinding Jamaica down to 8¾c. to 9c. per pound. No other changes.

Paprika.—Sole change came in Spanish, dropping to 39c. to 40c. per pound.

Pepper.—Black Lampong, lower at 4c. to 4¼c. per pound; Tellicherry, 7¼c. to 7½c.; white, Java Muntok, 7⅜c. to 7⅝c.; Singapore Muntok, 6¾c. to 7¼c.; red, Japanese chillies, 16¾c. to 17¼c.; Mombassa, down sharply to 25½c. to 26c.

Trading in black pepper futures on the New York Produce Exchange from May 4 to May 10, inclusive, comprised 61 contracts, a total of 2,856,000 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	4.33	4.05	4.29@4.33
May	4.05	3.68	4.02 sale
July	4.10	3.86	4.08@4.10
September	4.26	3.87	4.15 sale
October	4.15	3.89	4.13 sale
December	4.30	3.95	4.19@4.24

Pimento.—Off to 17c. to 17¼c. per pound under competition.

Dr. P. H. Dougherty has joined the new products division of Merck & Co., Rahway, N. J. He will be located in the New York office.

Edwin B. Grove's estate has been valued at $17,238,349, in a final settlement approved in Probate Court, St. Louis. Mr. Grove, who died in 1927, founded the Paris Medicine Company, now Grove Laboratories, Inc.

ARABIC — F.C.D. FOOD COSMETIC DRUG — KARAYA
GUMS
Processed and Standardized in Grades to Meet All Requirements
FRANCE, CAMPBELL & DARLING, INC. 19-15TH STREET, BROOKLYN, N. Y.

LEMON • LIME • ORANGE • LIME • LEMON

FRITZBRO ORANGE, LEMON and LIME CONCENTRATES are widely used in all kinds of foods, beverages and dessert preparations to impart really fine citrus fruit effects and at the same time avoid danger of subsequent spoilage. They're five times concentrated, much more soluble and dependably stable, and they retain all of the original flavor and delicious fresh fruitiness of their respective natural oils. If you use citrus flavors in any form, be sure to write us for further details regarding these.

FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH STOCKS
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

LEMON • LIME • ORANGE
ORANGE • LIME • LEMON
ORANGE • LIME • LEMON • LIME • ORANGE

Essential Oils, Aromatic Chemicals

Bergamot Still Advancing—Nutmeg and Mace Firmer and Higher —Clove Easier Under Competition — Lemon and Orange Moving Better — Fennel Shaded — Wormseed Up

Seasonal items in the market for essential oils and aromatic chemicals came in for a considerably more active demand from manufacturing consumers last week. The rise in volume served to emphasize the extremely firm position occupied of late by all such items. The balance of the market displayed stability in prices and a fair resistance toward bidding by buyers for consumption.

Wormseed proved an exceptionally firm item with sales being made at a fair advance over previous quotations. Bergamot also moved at higher price levels and was in an exceptionally strong spot position because of the situation in the primary market. Mace and nutmeg oils retained the levels achieved late in the previous trading period and the call was somewhat augmented.

Clove oil yielded to the element of competition and sold at slightly lower prices. For whatever reason, erigeron sold at a lower price notwithstanding the absence of general stock distribution. Fennel and linaloe moved in buyers' favor.

Spanish oils seemed turning toward an easier position. It seemed likely that shipments would gain from Spanish sources and recent cables indicated a more favorable price development already realized in the leading primary market.

Price Changes

Advanced

Bergamot, 25c. per lb.
Mace, 10c. per lb.
Nutmeg, 10c. per lb.
Wormseed, 20c. per lb.

Reduced

Clove, 5c. per lb.
Erigeron, 10c. per lb.
Fennel, 35c. per lb.
Linaloe, 5c. per lb.
Rhodinal, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
108.5	**107.5**	**103.3**	**68.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Sweet oil firmer. Less tendency downward. Fairly in line with replacement cost.

Amber.—Routine request. Mainly of jobbing size. Prices steady.

Amyris.—Quiet. Call small and for immediate needs. Prices hold.

Bergamot.—Higher again. Market $6.75 to $7 per pound. Reflects high replacement cost. Fair local demand.

Bois de Rose.—Very steady. Practically no competition. Replacement offerings conservative at firm prices.

Camphor.—Steady. Demand sustained. Prices maintained. Replacement strength retained. Competition restrained.

Capsicum (Oleoresin).—Firm. Good demand. Little competition. Sufficient stocks. Future outlook satisfactory.

Cardamon.—Raw material strengthens. Oil prices unchanged. Demand sustained at routine levels.

Cassia.—Steady. Demand routine but well maintained. Prices well supported.

Celery.—Limited interest shown. Market steady. No limitation on raw material supplies. Prices maintained.

Citronella. — Java oil cheap for shipment. Far under Ceylon item. Spot market quiet under routine activity.

Clove.—Lower. Drums, $1.15 to $1.20 per pound; cans, $1.20 to $1.25 per pound. The result of competition.

Coriander.—Very firm. Production cost holds high. Demand conventional.

Cubeb.—Steady. Not in much demand. Stocks fair. Raw material prices maintained.

Cumin.—Jobbing demand routine at firm prices.

Cypress.—Domestic and imported items firm. Foreign market prices maintained. Offerings sparse. Demand hand-to-mouth.

Dill.—Normal trading at firm prices. Fair reserve stocks.

Erigeron.—Steady at recent decline. Little interest shown.

Eucalyptus. — Movement sustained in fair volume. No weakness at source. Offerings conservative in all markets.

Fennel.—Shaded to $190 to $2 per pound. Easier situation in fairly dull market.

Ginger.—Steadier with sellers resisting further declines. Demand fair but not expansive. Raw material steadier.

Juniper.—Hard to get abroad. Replacement cost high. Local market fundamentally firm to strong.

Lavandin.—Foreign market prices and conditions firm. Local values fully maintained. Routine demand steady.

Lavender.—Little local competition. No weakness apparent anywhere. Steady absorption of usual offerings.

Lemon.—Market routine. Italian prices firm. Too high to encourage much buying here. California product filling domestic requirements promptly.

Lime.—Seasonal interest improving. Market firm at beginning of best consuming season. Prices maintained.

Linaloe.—Quotations steady at recently shading of quotations. Demand moderate. No wide stock distribution.

Mace.—Firm at recent advance to $1.90 to $1.95 per pound. Demand steady.

Nutmeg.—Recent rise to $1.90 to $1.95 per pound sustained by steady buying.

Orange. — Seasonal requirements expanding slowly. Market fully steady at minimum of quoted prices. No delays in deliveries.

Palmarosa.—Primary market prices firm. Local transactions conservative. Prices steady.

Pennyroyal.—Steady. Consumers interest fairly active. Stocks conservative. Prices firm to strong.

Peppermint.—No news concerning progress of new crop operations. Market generally steady to firm.

Petitgrain.—Quiet. Demand jobbing. Sellers hold firm views. Replacements no cheaper.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Toilet Goods, May 14-16, *New York.*
Flavoring Extract Manufacturers, June 24-26, *Chicago.*

Production Economy
Without Sacrificing Quality
ANDRO MM&R
(Midway between Ceylon and Java character)
JERALE MM&R
(approximates Citronella Java)
inexpensive substitutes for
expensive OIL CITRONELLA
Write for the Facts Today
MAGNUS, MABEE & REYNARD, INC.
Essential Oils, Balsams, Aromatic Chemicals, Concentrated Flavors ... Since 1885
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. Wacker Drive
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto

WE SPECIALIZE IN REDISTILLING
in our factory. Try our
Oil of Cassia, Redistilled, U.S.P.
Oil of Peppermint, Redistilled, U.S.P.
Every trace of impurity removed. Flavor the finest it is possible to obtain.
GEORGE LUEDERS & CO.
427-429 WASHINGTON STREET, NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

D. W. HUTCHINSON & CO., Inc.
IMPORT **ESSENTIAL OILS** EXPORT
162-164 Front Street Established 1896 New York City

STANDARD SYNTHETICS INCORPORATED
Distillers of Essential Oils and Manufacturers of Aromatics
39 WEST 32nd STREET - - NEW YORK

TOMBAREL
Supreme Flower Essences
Surfine Essential Oils
Basic Perfume Materials
Special Perfume Creations for All Purposes
TOMBAREL PRODUCTS CORP.
9-11 East 19th Street : : : New York, N.Y.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

OIL of PEPPERMINT
Of American Origin Only
A. M. TODD COMPANY
KALAMAZOO, MICHIGAN

Rosemary.—Undertones easier. Spain offering more freely. Prices tend easier.

Sage.—Fair request. Prices firm. No pending unsettlement.

Sassafras.—Steady to firm. Good, though routine, demand. Reserves moderate.

Thyme.—Spain offers gain moderately. Prices show easier tendency. Sellers disposed toward shading.

Aromatic Chemicals

Acetophenone. — Moderate activity. Usually of jobbing sort. Prices fully steady.

Amylphenyl Acetate.—Steady. Fair activity. Buyers cover requirements as needed. Prices steady.

Amyl Salicylate. — Routine call noted. Prices steady to firm.

Anethol.—About steady, but some signs of unsettlement noted. No change in moderate consuming request.

Anisic Aldehyde.—Fully steady in absence of competition. Jobbing call very good.

Benzaldehyde.—Fair trading. Covering future needs in most instances at very steady prices.

Benzophenone.—Very good demand undergoing moderate expansion. Quotations develop firmer tone.

Benzyl Acetate.—Steady absorption of offerings creates firm price position.

Benzyl Alcohol.—Routine call the rule. Prices still very steady.

Benzyl Benzoate.—Not more than occasional interest shown. Situation steady to firm. No surplus production.

Benzyl Cinnamate.—Inquiry gaining moderately. Market undertones firmer. No price shading.

Benzyl Formate.—Demand mainly hand-to-mouth. Plentiful stocks leads to coverage of prompt needs often. Prices hold.

Benzyl Isoeugenol. — Consumers trading frequently in moderate quantities. Prices steady to firm.

Benzyl Propionate.—Sellers report some falling away in demand. Not important in extent. Prices retain firmness.

Benzyl Salicylate.—Moving very well at full prices. Undertones gain firmer position. Competition restrained.

Benzylidenacetone.—Limited movement. Mainly against small, but pressing needs. Prices retain firmness.

Bornyl Acetate.—No surplus stocks. Replacement not easy. Prices firm. Moderate demand.

Bromstyrol.—Very good call. Fully up to expectations and supplied at firm prices.

Cinnamic Alcohol.—Market somewhat slower. Less pressing need for prompt deliveries. No adverse affect on prices.

Cinnamic Aldehyde. — Better inquiry and some gain in sales. Prices show firming tendency.

Citral.—Quiet. Interest routine. About level with recent volume. No price unsettlement.

Toilet Preparations Exports In February Tabulated

The value of United States exports of toilet preparations during February, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$159,687
Other dentifrices	11,050
Talcum powder in packages	39,670
Face and compact powder	34,153
Cold creams	9,941
Vanishing creams	10,651
Other creams, lotions and balms	29,084
Rouges	15,547
Lipsticks	58,223
Other cosmetics	18,906
Manicuring preparations	32,317
Depilatories and deodorants	7,004
Hair preparations	55,812
Perfumery and toilet waters	12,062
Other toilet preparations	53,495

Spice Ass'n Re-Elects A.G. Dunn President

—Continued from page 5

tributing being valued at $12,000,000.

Changes in the by-laws were affected at the morning meeting on May 8. The amendment covered the first three paragraphs only of former Section 1, Article XI—the Grinders' Dealers', and Brokers' sections.

In setting up the board of directors to serve during the coming year, the association elected Mr. Catz to serve two years. Other directors were re-elected as follows:—C. A. Thayer, of R. T. French & Co., Rochester, N. Y.; F. G. Mabbs of the Mincing Trading Corporation, this city; and F. H. Long, of McCormick & Co., Baltimore, Md.

The arbitration committee was elected as follows:—Borman S. Dillingham, of D. & L. Slade Company, Boston, Mass.; J. P. Knight, of Irwin-Harrison-Whitney Company, Ernest S. Klinko, and Avery F. Payne, all of this city; and Joseph Wanta, of Jewett & Smerham, Brooklyn.

Standard Synthetics Issues New Price Catalog

Standard Synthetics, Inc., perfume and flavor materials manufacturer, this city, has issued a new catalog listing in detail the essential oils and aromatic chemicals it produces and distributes. Standard Synthetics, Inc., was established two years ago as the American representative of Standard Synthetics, Ltd., of London, England. Products offered by the concern in the perfume bases field range from expensive French-type perfumes to low-priced soap and spray perfumes. In the flavoring field the company manufactures a complete line of concentrated flavors for use in candy, bakery products, and beverages. In addition to standard products, the company offers a technical service for the solution of problems to meet any requirment and price range as regards aromatics.

The company is headed by Edward Remus, president, and John Leslie Hindle, vice-president. Mr. Hindle, an authority on perfume and flavoring materials, was also the founder and managing director of the parent company, established in London in 1922. A copy of the new catalog of the company may be obtained by writing Standard Synthetics, Inc., 39 West 32nd street, New York, mentioning the REPORTER.

Michigan Drug Ass'n Plans Golf Tournament May 21

The Allied Drug and Cosmetic Association of Michigan held its first monthly tournament of the 1940 season at Birmingham Golf and Country Club April 24. R. K. Snow, assistant sales manager of the Dow Chemical Company, won in a lucky number drawing, a free ticket for the day's expenses. The next meeting will be held at the Red Run Golf Club, May 21, to which the association invites all members of the trade who happen to be in the vicinity of Detroit at that time.

Reed & Carnrick Names Monfort to Laboratory Post

Robert Monfort has been appointed medical director of the physiological laboratories of Reed & Carnrick, Jersey City, N. J., as the successor of the late Dr. James Moreau Brown. Dr. Monfort, a native of Michigan, graduated from Wayne University school of medicine, Detroit, in 1931. Following seven years of medical practice in Onaway, Mich., Dr. Monfort became associate medical director of Hoffmann-La Roche, Inc.

"It's a grand and glorious feeling!" to be able to sit back and relax, knowing absolutely that the petrolatum or white oils you use for your base will not become rancid or odorous—nor develop an undesirable color.

The reason for the permanent purity of Penn-Drake products is quite simple. We just remove the trouble-makers. We don't try to cover them up or neutralize them. The exclusive Penn-Drake Karnsite process, which goes far beyond ordinary refining methods, removes every harmful impurity that the most stringent tests can discover.

With over sixty years' refining experience in the richest oil fields in the country, we can serve you efficiently and economically, with the highest quality white oils and petrolatum you can buy. Our research chemists have perfected an exclusive refining process that gives Penn-Drake products supreme quality. You can depend on their greater stability and resistance to oxidation to keep *your* product safe from unpleasant taste and odor.

Let us send information on how to reduce your manufacturing costs and cut losses from deterioration. At the same time, we will be glad to quote you our best prices. In writing, be sure to give your specifications and requirements, so that we can give you our figures promptly.

PENNSYLVANIA REFINING CO.
General Offices: BUTLER, PA.

REFINERIES AT
Titusville, Pa. and Karns City, Pa.

WAREHOUSE STOCKS MAINTAINED IN:
New York, Chicago, Detroit, Los Angeles, St. Louis, Atlanta, Boston, Scranton and Cleveland

penn drake petroleum products

PENN-DRAKE PRODUCTS
U. S. P. White Oils and Technical Oils...Petrolatums...INSECTI-SOL...Waxes...Naphthas...Rubber Solvents Motor oils and greases...High flash lubricants...Industrial lubricants and greases

STEARIC ACID • • KAOLIN • • RICE STARCH • • ZINC OXIDE • • Complete List Upon Request

Cosmetic Raw Materials
Detailed information gladly supplied
ORBIS PRODUCTS CORPORATION
215 PEARL ST., NEW YORK – Factory, NEWARK, N. J.

Petroleum Solvents Lubricants, Fuels

Kerosene Advanced in Midcontinent, Easier in East — Crude Paraffin and Lubricating Oils Reduced in Group 3—Gasoline Consumption Improved—Crude Oil Down in Wyoming

Kerosene was a strong item in the Midcontinent list of petroleum products and a general advance of prices was made. In Eastern markets, however, the product was beginning to show signs of weakness. Demand fell off noticeably and prices were reported softer. Lubricating oils were a depressing influence on Group 3 markets, where a sharp reduction in prices was made. Blame was attributed to the sluggish market position in the East where, although no prices were lower, bright stocks and neutrals were easy. Heavier offerings of crude scale wax caused a reduction in Midcontinent prices, but Eastern refiners reported material a bit scarcer, a fact which tended to add strength to quotations. Gasoline was in better demand in all sections, but heavy stocks prohibited forward buying of large gallonages. Marking the first price change in crude oil prices in the Rocky Mountain territory this year, a reduction was made for oil produced in one field of northwestern Wyoming.

Solvents and Diluents

Cleaners' Naphtha.—Good movement into consumption. Inquiries better. Price firm and unchanged.

Lacquer Diluent.—Larger tonnage moved into consumption. Lacquer manufacturers more active buyers. Inquiries routine. Price firm.

Petroleum Thinners.—Continued good interest in offerings. Paint manufacturers more active. Sales volume slightly larger. Inquiries more numerous. Prices steady and unchanged.

Rubber Solvent.—Trade quieter. Tire makers ordered less. Price steady.

Stoddard Solvent.—Improvement in trade noted. Shipments heavier. Demand good. Price firm.

V.M. & P. Naphtha.—Gallonage shipped during week heavier than previous period. Spot sales better. Price steady.

Markets at Other Centers

Chicago—May 9

Despite some evidence of price irregularity in the petroleum solvent and diluent market, there is little change. Offerings have not disturbed the equilibrium of the market to any pronounced extent. Buyers are mostly interested in limited lots. Ruling prices in tankcar lots, f.o.b. Group 3, Oklahoma, are:—Blending naphtha, 4c. to 4½c. per gallon; cleaners' naphtha, 6⅞c. to 7c.; petroleum spirits, 5⅞c. to 6c.; rubber solvent, 6⅞c. to 7c.; lacquer diluent, 7⅜c. to 7½c.; Stoddard solvent, 6⅜c. to 6½c.; V.M.&P. naphtha, 6⅞c. to 7c.

Atlanta, May 9

Demand for most solvents and diluents continued good. Paint ingredients active. Rubber solvent moving well. Current prices are:—

CLEANING SOLVENT.—Boiling range 225/350, gravity 53, 6¾c. delivered New Orleans in tankcars.

Price Changes

Advanced

Kerosene, ⅛c. per gal., basis Group 3.

Reduced

Oil, lubricating, 1c. per gal., basis Group 3.
Paraffin, crude scale, ¼c. per gal., basis Group 3.
Petroleum, crude, 10c. per bbl., N.W. Wyo.

Market news that may have developed after this report was sent to press will be found on page 4.

V.M.P. NAPHTHA.—Boiling range 175/425, gravity 48, 6½c. delivered New Orleans in tankcars.

Tulsa, May 9

The weakness of gasoline has not disturbed the market in solvents and diluents. Good inquiries continue from rubber tire manufacturers and paint manufacturers. Prices this week are unchanged and the movement continues fair in rubber solvents and v.m.p.

Lighter Fractions

Butane.—Demand good. Price firm.

Heptane.—Market routine and without new feature. Price well maintained at previous level.

Hexane.—Contract withdrawals small. Spot sales light. Price firm.

Octanes.—Slight pick-up in trade reported. Inquiries more numerous. Price steady and unchanged.

Propane.—Market still active. Shipments into consumption satisfactory. Inquiries dropped slightly. Price firm.

Petrolatums and Waxes

White Mineral Oils.—Domestic grades firm, with the market quiet. Shipments irregular and small. Inquiries sluggish.

Petrolatum.—Buying interest slacker than previous week. Market far from sluggish, however. Shipments normal. All prices steady and unchanged.

Paraffin.—Crude scale continued to become scarcer. No shortage yet reported. Price firm. Refined grades in satisfactory demand at firm quotations.

The State of the Petroleum Market

The crude oil price change last week did not affect figures in this box.

	May 10	May 3	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.2095	$1.2095	$1.147
Gasoline prices at refineries (at four refining centers) per gallon	.0520145	.0520145	.04875

Chicago—May 9

The refined petroleum wax market remains quiet. Takings fairly well balancing out the supply. Tone of market seems steady. Supplies apparently not overly burdensome. Ruling prices are: 122-124, 6.10c. to 6.15c. per pound; 125-127, 6.10c. to 6.15c.; 127-129, 6.35c. to 6.4c.; 130-132, 6.65c. to 6.7c.; 132-134, 6.9c. to 6.95c.

Tulsa, May 9

Heavier offerings of wax has caused refiners to shade prices this week. Quotations were reduced ¼c. per gallon for the 124-26 American crude to from 5c. to 5¼c. per pound.

Fuels and Lubricants

Gasoline.—Consumption is increasing but large stocks retard any forward purchasing by retailers and jobbers. Demand slightly more active and and price firm.

Kerosene.—Less demand reported. For first time in several months price began showing signs of weakness. No actual reductions made.

Fuel and Gas Oils.—Bunker C fuel oil holding up well at ruling price. Demand for heating oils lighter. Light fuel oils in fair market position.

Lubricating Oils.—Pennsylvania neutrals and bright stocks moving sluggishly. Prices easy to firm.

Crude Oil Price Changes

The Ohio Oil Company reduced prices in the Oregon Basin field, Northwestern Wyoming, from 50c. to 40c. per barrel.

Markets at Other Centers

Chicago—May 9

Demand for gasoline is expanding in line with seasonal expectation. Rate of increase slower than expected. Tankcar price in the interior has been spotty. Late reports indicate that some material is being absorbed. Major company buying is beginning to be a factor. Prospect for lower freight rates is heartening the Southwestern refiners. Kerosene is steady. Fuel oils are seasonally dull. Lubricants are quiet and unchanged.

GASOLINE.—Low octane motor, 4c. to 4⅛c. per gallon; middle octane motor, 4⅜c. to 4½c.; high octane motor, regular, 4¾c. to 4⅞c.; 60-62, 400, 4c. to 4⅛c.; 64-66, 375, 4c. to 4¼c.; 68-70, 360, 4½c. to 4¾c.

KEROSENE.—42-44, water white, 4⅛c. to 4¼c. per gallon; 41-43, 4c. to 4⅛c.

FURNACE OILS.—Range oil, 3¾c. to 3⅞c. per gallon; No. 1 prime white, 3⅝c. to 3¾c.; No. 2 straw, 3⅜c. to 3⅝c.; No. 2 dark, 3¼c. to 3⅜c.; No. 3, 3¼c. to 3⅜c.; 32-36, dark, industrial gas oil, 2⅝c. to 2⅞c.

FUEL OILS.—No. 4, $1 to $1.10 per barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 65c.

New Orleans, May 9

Again reflecting a steady price trend, the domestic market experienced no price changes during the past week. U. S. motor gasoline quoted at 5¼c.; 63-67 octane at 5½c. and 70-72 octane at 6c.—all prices being quoted on a per gallon basis at refinery. The price of kerosene remained unchanged, being quoted at 7⅜c. per gallon at refinery. Bunker C fuel oil was quoted at 90c. per barrel at terminal and 95c. per barrel delivered alongside, while industrial plants in this vicinity were quoted at $1.36 per barrel, delivered alongside.

Tulsa, May 9

Expectation of lower freight rates is causing buyers to delay their orders of

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-May 11	1939 Jan. 1-May 11
Commercial crude oil production.....	487,374,024	456,412,454
	Week ended May 11, 1940	Week ended May 12, 1939
Daily average production.....	3,667,969	3,639,546
Bureau of Mines estimate.....	3,601,000	3,425,200
	Week ended May 4, 1940	Week ended Apr. 27, 1940
Estimated motor fuel stocks.....	102,063,000	102,452,000
Estimated finished motor fuel stocks.....	95,559,000	95,815,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Petroleum Institute, May 27-31, Fort Worth.
Purchasing Agents, June 3-6, Cincinnati.
National Petroleum, Sept. 18-20, Atlantic City.

MASKING PERFUMES for BAD SMELLING PRODUCTS

• *DEPENDABLE*
• *EFFECTIVE*
• *ECONOMICAL*

JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.
SAFRELLA — A low priced, effective substitute for artificial sassafras.
NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.

Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.

FRITZSCHE BROTHERS, Inc.
PORT AUTHORITY COMMERCE BLDG. 76 NINTH AVENUE, NEW YORK, N. Y.
BRANCH OFFICES
BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.
FACTORIES AT CLIFTON, N. J. AND GUTTENBERG, IOWA

QUALITY WHITE MINERAL OILS
ATLANTIC Atreols and Ultrols
THE ATLANTIC REFINING COMPANY
Technical Sales Division
260 S. Broad Street Philadelphia

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

WHITE OILS
GUARANTEED QUALITY
To meet all the special requirements for Pharmaceutical, Cosmetic and Industrial Purposes.
ALL GRADES
REFINERS OF WHITE OILS AND PETROLATUMS
SHERWOOD Petroleum Company Inc.
REFINERY, WARREN, PA. MAIN OFFICE, ENGLEWOOD, N. J.

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
60 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.
Organized to advance the science and practice of consulting chemistry and chemical engineering.
The membership, located from coast to coast, includes highly qualified specialists from all branches of the profession.
For Expert Consultants Address the Association—50 E. 41st ST., NEW YORK, N.Y.
Room 82

ELECTRICAL TESTING LABORATORIES, NEW YORK
East End Avenue at 79th Street
ETL Know-by Test
Colorimetric and Specto - photometric Analyses.
Ultra-Violet Transmission and Absorption.
Extinction Co-Efficient of Vitamin A Oils.
Accelerated Aging Tests of Paints, Electrical, Chemical and Physical Tests of Oils, Papers and Engineering Materials.
Certification and Witness Tests.

Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir.
FOOD RESEARCH LABORATORIES, INC.
45-14—33rd Street, Long Island City, N. Y.
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALIST IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

Charles H. LaWall—1871-1937 Joseph W. E. Harrisson
LaWALL and HARRISSON
Pharmaceutical and Chemical Research. Biological Assays. Pharmacological Studies in association with Clinical Tests. Routine Drug and Food Control.
214 So. 12th Street Philadelphia, Pa.

E. L. LUACES & ASSOCIATES
INDUSTRIAL CHEMICAL CONSULTANTS
Development and control of processes for recovery or disposal of industrial wastes and native carbon manufacture and use. Technical advice on and supervision of advertising copy, patent and research programs, and production methods. Economic, literature and patent surveys. Special interest in Latin-American problems. Spanish, French and Portuguese correspondence invited.
P. O. Box 1107 • Woodhaven • New York
Phone: CLeveland 3-2496 Cable: Adsorbit, Newyork

PROTECT YOUR IDEAS BY **PATENTS**
Call or Send me a Sketch or Simple Model
WHAT IS YOUR INVENTION?
Z. H. Polachek — Registered Patent Attorney — Electrical Engineer — CONFIDENTIAL ADVICE
REGISTER YOUR **TRADE MARKS**
U. S. Pat. Off. records searched ANY invention or Trade Mark
FREE COMPILATION LITERATURE
Phone: BOwling Green 9-3086

SADTLER, SAMUEL P. & SON, Inc.
RESEARCH AND ANALYTICAL CHEMISTS.
Special Laboratory Equipment for your work.
210 South 13th Street Philadelphia, Pa.
"Nothing Pays Like Research"

BACTERIOLOGY
Research Routine
Industrial Medical
LELAND BROWN LABORATORIES
6816 Market St. Upper Darby, Pa.

Paul D. Boone
Chem. Patent Attorney
Patents Trade Marks
Nine years examiner in U. S. Patent Office of drying-oil treatment, resins.
869 Nat'l Press Bldg., Washington, D.C.

Bureau of Chemistry
New York Produce Exchange
H. P. Trevithick, Ph.B., B.S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research

ROBERT CALVERT
Chemical Patents
60 East 42nd Street - New York
MUrray Hill 2-4980

W. H. DICKHART
CONSULTING & ANALYTICAL CHEMIST
OILS, FATS, FOODS, DRUGS
Official Chemist for the New York Mercantile Exchange and Olive Oil Assn. of America
6 HARRISON ST., N. Y.
Phone WAlker 5-3846

Ehrlich, J., Ph.D.
CONSULTING CHEMIST
153 South Doheny Drive
Beverly Hills, California
Organic Syntheses
Fellow of the American Institute of Chemists.

Ellis-Foster Company
Established 1907
Research and Consulting Chemists Specializing in Synthetic Resins and their Plastics and Related Subjects.
4 Cherry Street Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-975 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4020

DRAWBACK SPECIALISTS
Refunds of duty on materials used in exported products.
C. J. Holt & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6341

INDUSTRIAL CONSULTING LABS. Inc.
Analytical and Consulting Chemists
PAINTS, VARNISHES, ENAMELS AND ALLIED PRODUCTS
128 Water Street HAnover 2-1989

Knight, B. H.
Analytical and Consulting Chemist
50 East 41st Street
OFFICIAL ANALYST
U. S. Shellac Importers Assoc. Am. Bleached Shellac Mfrs. Assoc.

Laning Company, E. M.
Specializing in Perfumes, Toilet preparations, Pharmaceuticals and Flavors. Formulas perfected. Problems solved. Labels and Circular Matter revised to comply with the new Food, Drug & Cosmetic Act.
433 Stuyvesant Ave., Irvington, N. J.
Phone ES. 2-5621
E. M. Laning, B. Sc., Manager

Miel, George A.
Analytical & Consulting Chemists
Specializing in the: Physical and Chemical Analysis of Paints, Varnishes, Shellacs, and materials of the Paint Industry.
128 Water Street HAnover 2-9096

Molnar Laboratories
CHEMISTS and BACTERIOLOGISTS
Water, Oils, Foods, Drugs and Cosmetics; Special attention to Federal Food Drug and Cosmetic Act; Toxicological Studies.
Nicholas M. Molnar, M.S., F.A.I.C. Member Assn. Consulting Chemists
211 East 19th St. New York, N. Y.
GRamercy 5-1030

Munch, James C., Ph.D.
Consultant and Laboratory Service
Bioassays: Official and New Methods. New and Old drugs studied: Literature, Toxicology, Pharmacology, Clinical effects.
6816 Market Street, Upper Darby, Pa.

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
647 W. Virginia Street, Milwaukee, Wis.

W. S. Purdy Company, Inc.
ANALYTICAL AND CONSULTING CHEMISTS
Petroleum Products, Fuels, Waxes, Fats, Greases, Soaps, Detergents, Road Construction Materials, Paints, Varnishes, Lacquers, etc.
128 Water St., N. Y. C. HA. 2-5772

John E. Raisch & Co.
OFFICIAL and LICENSED WEIGHERS, SAMPLERS and INSPECTORS CARGO SUPERVISORS and CONTROLLERS
Licensed by N. Y. Cotton, N. Y. Cocoa, N. Y. Coffee and Sugar, Commodity and N. Y. Produce Exchanges.
15 Moore Street New York, N. Y.
Tel. BO. 9-4063-4068

Leather - Tanning Materials - Furs
SAMPLING, ANALYSES, RESEARCH, CONSULTATION FOR LEATHER, FUR AND ALLIED TRADES
THE REED-BLAIR LABORATORIES
143-145 West 20th Street New York
Tel.: CHelsea 2- 3520—21

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS
ESSENTIAL OILS, FOODS, WATER
282 East 44th Street New York, N. Y.
MUrray Hill 2-0087

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. D., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone ATlantic 4-4343.
10 East 34th St. New York City

Sidlee Laboratories
Research and Consulting Chemists
Textile Coating, Cellulose Derivatives, Organic Synthesis, Microphotographic Work, Pilot Plant Facilities
Tel.: CHickering 4-3989
27 West 33rd Street New York

ADHESIVE SPECIALIST
IRA L. SLOMON
For New and Original Ideas
L. I. CITY, N. Y.

Foster D. Snell, Inc.
Our staff of chemists, engineers and bacteriologists with laboratories for analysis, research, physical testing and bacteriology are prepared to render you Every Form of Chemical Service
305 Washington Street Brooklyn, N. Y.

Stillman & Van Siclen, Inc.
Chemical and Testing Engineers
Tests, Inspection and Supervision of Benzol, Toluol, Xylol, Tars, Pitches, Asphalts, Road Oils and all other Coal Tar and Petroleum Products.
Telephone: Longacre: 5-5260-5261
254 W. 31st Street New York, N. Y.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerine, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
132 Cedar Street New York

Vorce, L. D.
Chemical Engineer
Electrolytic Cells
Chlorine, Caustic, Hydrogen
28 Norman Road Montclair, N.
Telephone 2-4516

Weiss and Downs, Inc.
CONSULTING ENGINEERS
Synthetic Phenol-Benzol, Toluol and other Coal Tar Products
50 East 41st Street, New York, N.Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc.
Calvert and Read Streets, Baltimore, Md.

gasoline, while weakness in the Eastern lubricating oil markets is causing a postponement of orders for these products.

Price conditions in gasoline are not quite as depressed as last week. Concessions are still being granted for immediate movement, but there appears to be a little more resistance on the part of sellers. This is particularly true in Oklahoma. Prices in other products are lower with lubricants off 1c. per gallon. Kerosene and tractor fuel appear to be the only strong spots on the market, although some grades of distillates are firm and heavy grades of fuel are unchanged. Nearly all refiners are quoting kerosene ½c. per gallon higher with tractor fuels correspondingly increased.

GASOLINE.—U. S. Motor third grade, 3¾c. to 4⅛c. per gallon; 67-69 octane, 4c. to 4½c. and 72-74 top grade, 4⅝c. to 4⅞c.

NATURAL GASOLINE.—The 26-70 grade, 1¼c. per gallon in Texas and 1½c. in Oklahoma. The 18-55 grade in Texas is 1½c. per gallon and 1¾c. to 1⅞c. in Oklahoma.

KEROSENE.—Up ⅛c. with 41-43 degree grade at 4c. to 4⅛c. per gallon and 42-44 grade, 4⅛c. to 4⅜c.

DISTILLATES.—No. 1 prime white, 3⅝c. to 3⅞c., with No. 1 straw at 3½c. to 3¾c. per gallon. No. 2 straw is 3⅜c. to 3⅝c.

FUEL OILS.—Residuals below 16 degrees in gravity, 45c. to 50c. per barrel and 18-22 gravity, 70c. to 80c.

LUBRICANTS.—Reductions of 1c. per gallon were posted in bright stocks generally throughout the field this week making the new range from 20c. to 25c. per gallon. The reductions were also applied to the neutrals oils making the new range 10½c. to 16c. The weakness of the eastern market, with steady offerings coming from that territory, is a depressant on the Mid-continent market.

Crude Oil Daily Output Down

Daily average gross crude oil production in the United States during the week ended May 4 was 3,679,050 barrels, a decrease of 166,200 from the 3,845,250 in the preceding week, according to the American Petroleum Institute. A drop of 147,950 barrels in the daily average output of Texas was the most important change. Stocks of finished and unfinished gasoline in the United States at the end of the week amounted to 102,063,000 barrels, a decline of 389,000 from the 102,452,000 a week earlier. A year ago these stocks amounted to 87,101,000 barrels. Finished gasoline stocks declined 256,000 barrels to 95,559,000, compared with 81,200,000 on May 4, 1939.

Tulsa Exposition to Honor Ten Petroleum "Old Timers"

Ten pioneer oil men will be honored at the eleventh International Petroleum Exposition at Tulsa, Okla., May 18-25. A "Grand Old Man" of the petrolem industry will be chosen in each of nine divisions of the industry: — Production; pipeline and transportation; refining; marketing; supplies and equipment; natural gasoline; natural gas; purchasing agents; and land, lease, and legal. A "Pioneer of Pioneers" will be selected representative of the entire industry, the award to be made on the basis of service and contributions to the industry.

Asphalt Literature Abstracted

The Asphalt Institute has just issued another in its quarterly digests of current asphalt literature. Condensed resumes of the principal articles on asphalt and asphalt paving appearing in engineering, trade and official periodicals in the United States, Canada, and foreign countries during the last quarter of 1939 are presented. A copy of the booklet may be obtained from the institute, 801 Second avenue, New York, mentioning the REPORTER.

Fertilizer Materials

Mixed Fertilizer Shipments Steady But Raw Materials Deliveries Slack—Blood and Nitrogenous Material Reduced—Sulphate of Ammonia More Sluggish — Export Call Lighter

Shipment of mixed fertilizers continued to be fairly regular last week, although ordinarily commitments would have been fullfilled by this time of year. Cold and wet weather this Spring have retarded planting, however. The shipping season for raw materials, on the other hand, was practically over, with only small lots of material moving to mixers. In other sections, raw materials markets were still fairly active. Prices on the whole were firm but reductions were made in New York and imported blood and Midwest and East Coast nitrogenous.

Sulphate of ammonia markets were slacker during the period. The export call, which had been heavy for several previous weeks, fell off due to the curtailment of Japanese buying. Nitrate of soda, used extensively as a top-soil dressing, was still moving well. Reports from Santiago indicate that despite abnormal shipping conditions Chile is adopting measures to cope with the increasing demand abroad for nitrate. It is expected that output of nitrate will reach 3,000,000 tons by the end of the year. Production has already reached the highest operation level in the past ten years.

Nitrogenates

Dried Blood.—Domestic reduced 10c. per unit to $2.75, f.o.b. New York. Imported offered at $2.75 per unit, down 10c.

Fish Scrap.—No when-and-if-made sales reported. Price steady and unchanged. Japanese sardine meal quieter.

Nitrate of Soda.—Good movement for top-soil operations. Spot market quiet.

Nitrogen Solution.—Routine and unchanged.

Nitrogenous Material.—Midwestern material offered at $1.75 per unit, a 20c. reduction. East Coast production quoted at $2.25 per unit, down 25c.

Sulphate of Ammonia.—Slacker. Less export call. Domestic contract shipments off. Price steady.

Tankage.—Market less active. Shipments smaller. Prices unchanged and firm.

Urea.—No new features. Demand routine and prices unchanged.

Potashes

Cottonseed Hull Ash.—Price steady. Trade normal.

Kanit.—Contract shipments routine. Spot sales off. Inquiries fair. Price firm.

Manure Salts.—No changes from previous week.

Price Changes

Advanced

None

Reduced

Blood, dried, dom., 10c. per unit, f.o.b. N.Y.
imp., 10c. per unit, c.i.f. ports.
Nitrogenous material, 20c. per unit, f.o.b. Midwest.
25c. per unit, East Coast production.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Muriate. — Contract withdrawals light. Price steady.

Sulphate.—Sales limited. Supplies scarce. Price firm.

Phosphates

Bone Materials.—Domestic grades in fair call. Imported material less active. All prices unchanged.

Phosphate Rock.—Contract deliveries in slightly better volume. Price unchanged.

Superphosphate.—Run-of-pile material still moving well. Interest in guaranteed grade better. Prices firm.

Sulphur and Pyrites

Deliveries of crude sulphur held to level of previous week. Spot market less active. Pyrites in poor call and scarce. All prices were steady and unchanged.

Fertilizer Tag Sales: April

	P.C. of	Equivalent tons*			P.c. of	January-April		
		April						
South:—	1939.	1940.	1939.	1938.	1939.	1940.	1939.	1938.
Virginia†	89	80,608	90,905	82,548	92	248,391	270,098	270,075
North Carolina	88	326,244	371,434	307,141	88	884,556	1,005,967	933,648
South Carolina	84	145,278	173,192	102,836	101	589,658	584,871	565,881
Georgia	111	178,641	160,368	133,105	107	657,524	615,153	637,971
Florida† §	182	38,037	20,911	32,645	113	214,044	188,900	210,454
Alabama	99	193,050	195,800	177,700	102	506,000	497,400	456,600
Mississippi	78	45,257	117,775	118,223	94	241,270	257,375	273,354
Tennessee†	119	52,772	44,493	45,615	101	92,454	91,954	92,854
Arkansas‡	165	19,750	12,000	13,750	137	85,950	62,900	57,000
Louisiana†	90	25,100	27,751	14,255	105	127,411	120,801	114,172
Texas†	116	20,540	17,640	11,657	127	97,556	76,674	68,044
Oklahoma	...	129	10	270	88	5,293	6,028	6,385
Totals, South	91	1,125,397	1,232,279	1,039,745	99	3,750,107	3,778,121	3,686,438
Midwest:—								
Indiana	129	22,357	17,313	25,769	121	135,376	111,608	95,145
Illinois	366	14,129	3,862	10,159	134	26,636	19,888	21,953
Kentucky	91	18,983	20,815	31,407	96	59,094	61,823	75,627
Missouri	91	1,882	2,062	450	123	25,708	20,827	24,668
Kansas	..	285	5	455	201	2,653	1,320	3,484
Totals, Midwest	131	57,636	44,057	68,240	116	249,467	215,466	220,877
Grand totals	93	1,183,033	1,276,336	1,107,985	100	3,999,574	3,993,587	3,907,315

*Monthly records of fertilizer tax tags are kept by State control officials and may be slightly larger or smaller than the actual sales of fertilizer. The figures indicate the equivalent number of short tons of fertilizer represented by the tax tags purchased and required by law to be attached to each bag of fertilizer sold in the various States.

† Cottonseed meal sold as fertilizer included.

‡ Excludes 16,600 tons of cottonseed meal for January-April combined, but no separation is available for the amount of meal used as fertilizer from that used as feed.

§ Includes 14,965 tons of phosphatic and lime materials for January-April.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

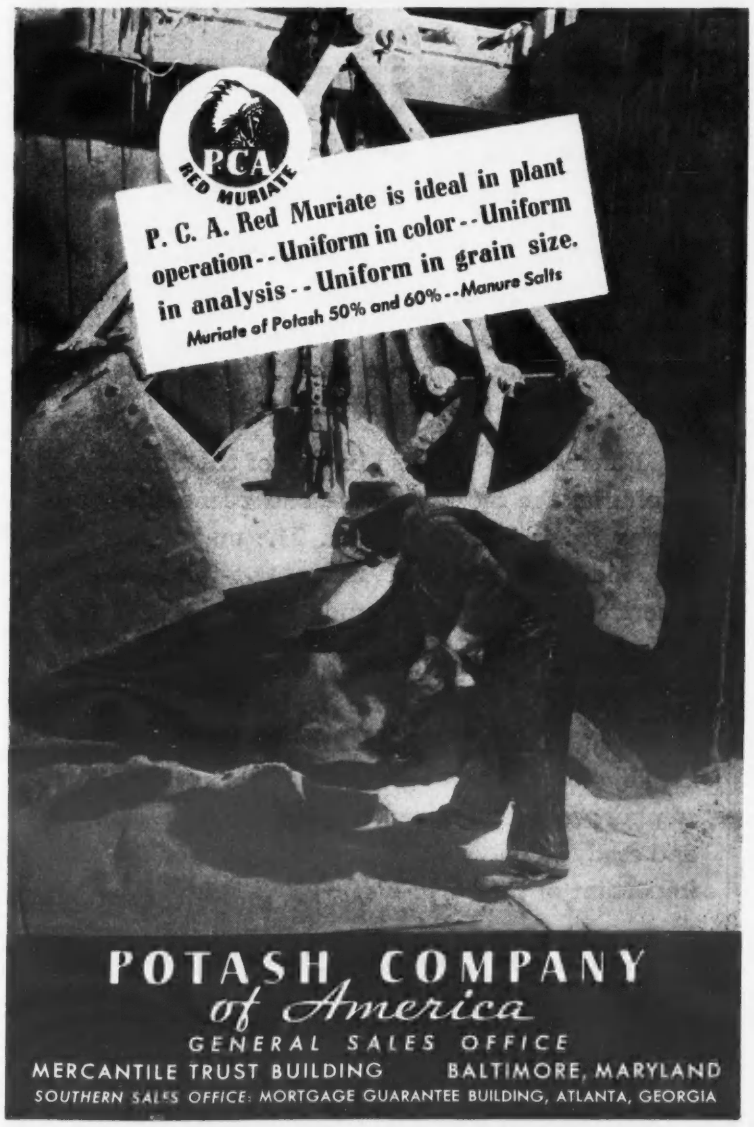
Association meetings:—
National Fertilizer, June 3-5, White Sulphur Springs.

SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

AN ADVERTISEMENT

in the Oil, Paint and Drug Reporter costs less than a message on a postal card—*and it gets an incomparably better reception.* Write us for further information.

OIL, PAINT AND DRUG REPORTER
59 JOHN STREET NEW YORK, N. Y.


PCA
RED MURIATE
P. C. A. Red Muriate is ideal in plant operation--Uniform in color--Uniform in analysis--Uniform in grain size.
Muriate of Potash 50% and 60%--Manure Salts
POTASH COMPANY of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE: MORTGAGE GUARANTEE BUILDING, ATLANTA, GEORGIA

Markets at Other Centers

Atlanta—May 8

Shipments of mixed fertilizers remain active in the Southeast. Quotations of this market are as follows:—

SUPERPHOSPHATE.—Market dull, prices unchanged.

NITRATE OF SODA.—$27 per ton, ports.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, $31.50 to $32 per ton, Southeast.

NITROGENOUS.—Prices unchanged.

BLOOD.—$2.90 per unit, basis Chicago; South American, $2.75, ports.

TANKAGE.—$3.35 and 10c., unit, Chicago; foreign, $3.25 and 10c., ports.

Baltimore—May 8

The market for crude fertilizer materials shows slight revival of interest.

FISH SCRAP.—Chesapeake Bay scrap at $3.50 and 10c. per unit-ton, f.o.b. Baltimore, with inquiry quiet and no further transactions on a when-and-if-made basis reported. Menhaden meal is quoted at $58 per ton in carload lots, with volume of business small.

SUPERPHOSPHATE.—No change. Inquiry has not expanded. Nominal quotations stand at $8.50 per ton for run-of-pile and $9 for 16 percent milled and screened stocks.

TANKAGE.—Market appears to have gained strength, with unground feeding at $3 and 10c. per unit-ton.

DRIED BLOOD.—Quiet, with last sales at $2.75 per unit-ton.

Chicago—May 8

The general fertilizer materials market is quiet and just about holding its own in price. Buyers have limited buying to urgently needed products only. Blood moving in fair amounts. Inquiry good. Bone materials business fair. Tankage has held its own, with movement mostly in small lots.

BLOOD.—Principal grade, $2.80 to $2.90 per unit.

TANKAGE.—High grade, feeding, $3.25 and 10c.; hoof meal, $2.35 to $2.50; liquid stick, $1.50 to $1.60.

BONE MATERIALS.—Ground, steamed bone, 1½ and 60 percent, $29 to $30; 3 and 50 percent, $30 to $31; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $34 to $35; beef cracklings, soft pressed, $35 to $40; pork cracklings, soft pressed, $47.50 to $50; hard pressed cracklings, per unit of protein, 70c. to 75c.

San Francisco—May 8

The status of the fertilizer situation is satisfactory. Moderate amount of replacement activity in the market. Organic products moving out better. Spot tankage business is good. Nitrate of soda demand heavy. Ruling prices are:—

SULPHATE OF AMMONIA.—Reported at $38 per ton, delivered, inland points.

SUPERPHOSPHATE.—Domestic, 78c. per unit in bulk, f.o.b. San Francisco Bay. Bags, 90c. per unit.

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30, both ex-vessel or warehouse.

FISH MEAL.—California sardine meal, $52 per ton, San Francisco, and $51 Monterey.

TANKAGE.—Unground fertilizer, wet rendered, domestic, $2.40 and 10c. per unit-ton, f.o.b. Northern California. Dry rendered, ground, 50 percent, $39.50 per ton, f.o.b. South San Francisco; unground, dry rendered, 67½c. per unit of protein, f.o.b. South San Francisco.

BONE MEAL.—$29 to $35 per ton, delivered, Pacific Coast ports.

Fertilizer Freight Reduction Sought for Central Area

OPD Washington Bureau
May 7, 1940

The International Agricultural Association has asked the Interstate Commerce Commission to reduce railroad rates on fertilizer and fertilizer materials in the Central Freight Association territory. The complainants charged railroads operating in the area with unreasonably increasing their rates by approximately 35 percent on December 20, 1937. The fertilizer moves from origins in New York, Ohio and Illinois to destinations in Ohio, Illinois, Indiana, Michigan, New York and Pennsylvania.

Clay Whybark, field representative of the American Potash Institute, Inc., with offices at Puyallup, Wash., has resigned to accept a position as agronomist with Hunt Bros. Packing Company, San Francisco.

C. Leonard Fardwell, sales manager of McCormick & Company, manufacturer of drugs and insecticides, Baltimore, has been reelected president of the Maryland division of the Travelers' Protective Association of America.

THE THREE A'S OF CHEMISTRY

The Acids, the Alkalies, the Alums—these are the three big A's of the chemical industry. Thousands of the things we need in modern-day life grow out of these three. In the past 20 years, our production of them has roughly doubled.

Foremost in the acid branch of the three A's is Sulphuric, the most versatile and economical processing agent known to man. The manufacture of this indispensable acid takes two-thirds of the American production of crude sulphur.

For more than 25 years, we have supplied the raw material for Sulphuric Acid. Today, at mines at Port Sulphur, La., and Freeport, Tex., we have ample stocks above ground of 99½ percent pure sulphur, free from arsenic, selenium and tellurium and ready to play its role in making one of the most important of the three A's.

▼

FREEPORT SULPHUR COMPANY

122 East 42nd Street **New York City**

Potash Industry Probe Shows Same Base Prices

—Continued from page 5

Atlantic coast for $28.72 per ton, whereas, in the important markets of the Ohio Valley and near the Great Lakes, prices on a delivered basis would be reduced one to two dollars per ton—a substantial savings to the consumer on a consumption of nearly 100,000 tons in this basin.

The creation of a wide area in which the domestic suppliers would dominate the price structure is the significant point in the use of a $7.00 price differential between Carlsbad and the Atlantic ports. It represents an important break from the present importer-dominated price structure. As the domestic industry continues to expand its proportion of the total supply, it can be assumed that it will more and more take the primary position in price determination, and the price structure, once released from the present pattern, will increasingly represent a mill price system.

In a letter to Attorney-General Robert H. Jackson, Secretary Hopkins, transmitting this report, said:

Under separate cover I am sending to you ten copies of an Economic Survey of the Potash Industry, prepared by Willard L. Thorp and Ernest A. Tupper of the Department of Commerce. This study was undertaken at the joint suggestion of the Department of Justice and the industry for the purpose of determining the policies, practices and performance of the potash industry. It was hoped that the information so developed would contribute to the Government's understanding of the functioning of this important industry; also that it would serve to give the industry a better appreciation of the necessity for the government's interest in some of the industry's problems.

The report contains certain specific recommendations relative to the current practices of the industry. It is our belief that, if these recommendations were adopted by the members of the industry, the new patterns would go as far as any reasonable person might wish, under present circumstances, to assure adequate performance in the public interest.

Commenting on the department's work with the problems of the potash industry, Secretary Hopkins said:

In 1939 the Department of Justice undertook a general investigation of the fertilizer industry. As a result of this investigation, business practices of the potash industry and those of a number of other fertilizer material industries were reviewed by the Department of Justice. At its suggestion, an economic study of the potash industry was undertaken by the Department of Commerce to examine the industry's performance and make such recommendations for changes in practice as might appear necessary in the public interest.

With the cooperation of the officials and attorneys of the several potash companies, Mr. Thorp and Mr. Tupper were able to explore in great detail with them their problems, policies and industry performance. Each of the companies submitted upon request a comprehensive report with subsequent supplementary reports showing full and intimate details of its operations.

In the preparation of the Department of Commerce report, operating records of the four companies, covering customers, invoices, shipments, stocks, financial statements, price records, freight experience and a mass of other data were examined and studied. Special consideration was given to the marketing practices of the industry—particularly with respect to the basing point system of price quotations.

Practically all of the potash sold in the United States has been handled in recent years by four companies. The United States Potash Company, Carlsbad, New Mexico; the Potash Company of America, Carlsbad, New Mexico; and the American Potash and Chemical Corporation, Trona, California, are the three domestic companies which engage in the extraction and sale of potash. N. V. Potash Export MY., Inc., New York, the company handling imports at the time this study was initiated, has ceased business as a result of the war. In its stead a new French and a new German company have entered the business of importing.

The growth of the three domestic companies has been extremely rapid. Prior to the World War, the United States depended upon Germany for its supply of potash. That country controlled the largest source of potash in the world and enjoyed a virtual monopoly in the production and marketing of this product. In the years immediately preceding 1914, the average annual imports from Germany amounted to about 1,000,000 tons of potash salts (equivalent to about 270,000 tons of pure potash). Soon after the start of the World War Germany placed an embargo on the exportation of potash. Existing stocks were quickly consumed and prices rose to unprecedented levels ($484 per ton, or 11 times the pre-war price).

Under the stimulus of high prices and the great need, both the government and private enterprise in this country turned their efforts to development of known potential sources of potash. During the next three years, 1915 to 1918, numerous projects were launched. By the end of 1918, 128 small plants were in operation, and others in process of construction. In that year domestic production reached 207,000 tons of potash salts containing approximately 54,000 tons of pure potash—about one-fifth of the normal requirements of the country.

Most of these plants were located in Western regions, far removed from the centers of consumption. Costs were abnormally high, and they could hope to succeed only so long as high prices prevailed. Prices, however, began to drop rapidly after the end of the war in anticipation of the resumption of imports. As prices declined, many of the producers could not continue operations and closed their plants. Unsuccessful attempts were made to secure protective tariffs. By 1923, there were only twelve plants in operation producing potash, and of these all but one produced it as a comparatively insignificant by-product.

Two of the three domestic companies at present producing potash have entered production since 1930—the third is the only one which survived through the 1920's. Recently the United States government leased certain potash-bearing lands to a new domestic company now engaged in a program of exploration. By the middle of 1939 the three domestic producers were supplying 60 percent of the domestic market and were prepared to increase their operations sufficiently to meet any deficiency in supplies which might result from the curtailment of imports as a result of the war.

Motor Carrier Rules Apply to Private Trucks

—Continued from page 3

the owner. Driver-salesmen of light delivery trucks may be on duty more than 60 hours per week if they spend more than 50 percent of their time in selling and do not drive more than fifty hours per week.

Delivery trucks will not be subject to the rule that a stop of less than ten minutes is to be counted as driving time provided that the vehicle is not operated more than ten miles in the same community. Work trucks of public utilities will not be subject to the ten-minute stop rule and drivers need not keep logs.

Other privately owned trucks will be subject to the hours of service rules prescribed for drivers in ex parte No. MC-2 and the safety of operation rules for vehicles prescribed in ex part No. MC-4. Exceptions to these rules as applied to private trucks are that for the time being the commission will not require reports of accidents, monthly reports of drivers' hours, and reports of adverse weather or traffic conditions requiring changes in drivers' schedules. The commission states that it will not have authority to require reports from private carriers or to examine their records on any matters except those pertaining to safety of operation.

In describing the operations subject to the new regulations, the I.C.C. stated that where private trucking operations are physically entirely within one state but are a part of interstate movement the regulations apply. If a driver operates a motor vehicle in interstate commerce on any day of a given week he is subject to the weekly maximum prescribed, 60 hours on duty, and if he is engaged in interstate commerce during any one period of 24 consecutive hours he is subject to the daily maximum prescribed, 10 hours of driving.

Walter L. Pierce, connected with the Baltimore sales office of Eli Lilly & Company for more than thirty-two years, has retired.

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACETONE—1 cs, Geo F Doherty & Co, Havre
AGAR—20 cs, Mitsui & Co, Kobe
25 bls, T M Duche & Sons, Yokohama
10 bls, Hara & Co, Yokohama
ALOE—125 cs, Wessel, Duval & Co, Aruba
ANGELICA ROOT—10 bgs, S K Adams, Hongkong
ANNATTO SEED—44 bgs, Kingston
30 bgs, Kingston
ANTIMONY, CONC—438 bgs, Beira
METAL—306 bgs, New York & Cuba Mail S S Co, Tampico
ORE—2,028 bgs, Banco Minero de Bolivia, La Paz, Bolivia
1,292 bgs, New York & Cuba Mail S S Co, Tampico
SULPHIDE—496 bgs, W R Grace & Co, Callao
ARROWROOT—3,757 bgs, Morningstar Nicol, St Vincent
400 bbls, Morningstar Nicol, St Vincent
ARSENIC—60 dms, Metallo Chem Corp, Antwerp
ASBESTOS—3,254 bgs, Raw Asbestos Distr, Ltd, Beira
1,294 bgs, Raw Asbestos Distr, Ltd, Beira
667 bgs, Ray Asbestos Distr, Ltd, Beira
BAUXITE—2,398 tons, E I Du Pont de Nemours Co, Georgetown
BOILER FLUID—20 dms, New York & Cuba Mail S S Co, Tampico
BOLDO LEAVES—17 bls, W R Grace & Co, Valparaiso
BRISTLES—30 cs, Mitsubishi Shoji, Kaisha, Shanghai
6 bgs, F Marti Co, Guayaquil
60 cs, Hongkong
46 cs, F H Cone & Co, Kobe
4 cs, F W Von Stade, Kobe
10 cs, National City Bank, Kobe
16 cs S Hirshenhorn & Sons, Shanghai
16 cs, Shanghai
50 cs, Abel Lemon, Shanghai
50 cs, O H Hinck, Shanghai
55 cs, Arnhold & Co, Shanghai
55 cs, F H Cone & Co, Shanghai
BUCHU LEAVES—20 bls, S B Penick & Co, Capetown
CANAIGRE ROOT—210 bgs, New York & Cuba Mail S S Co, Vera Cruz
CANARY SEED—330 bgs, H S Cramer & Co, Buenos Aires
CARDAMOM—15 bgs, W E Martin, Porto Barrios
CASEIN—417 bgs, American British Chemical Supplies, Buenos Aires
254 bgs, Buenos Aires
417 bgs, National City Bank, Buenos Aires
CASSIA, ROLLS—100 bls, S L Jones & Co, Shanghai
CASTOR BEANS—6,600 bgs, Spencer Kellogg & Sons, Santos
2,421 bgs, Santos
1,650 bgs, Spencer Kellogg & Sons, Santos
1,385 bgs Port de Paix
CHEMICALS—100 cks, Goudrand Shipping Co, Havre
10 cs, E I Du Pont de Nemours Co, Havre
100 cks, Perry, Ryer & Co, Havre
1,000 cans, International Selling Corp, Havre
4 cs, G J Wallau, Havre
1 cs, E I Fougera & Co, Havre
5 cks, National Carloading Co, Havre
CHILLIES—40 bgs, Volkart Bros, Kobe
180 bgs, A G Dunn, Kobe
CHROME ORE—3,008 tons, E J Lavino & Co, Lourenco Marques
500 tons, E J Levino & Co, Beira
CLOVES—100 bls, Geo Uhe, Zanzibar
100 bls, Belawan Deli
COBALT, METAL—2 cs, Central Trading Corp, Antwerp
OXIDE—7 cks, Rohner, Gehrig & Co, Havre
RESIDUE—57 dms, African Metal Corp, Beira
290 dms, African Metal Corp, Beira
COCA LEAVES—111 bls, Maywood Chem Works, Salaverry
COCOA BEANS—250 bgs, Middleton & Co, Trinidad
100 bgs, Scholtz & Co, Campana
500 bgs, Prosperi & Co, Campana
500 bgs, Wessel, Duval & Co, Rio Caribe
57 bgs, Struller & Wood, Jeremie
15 bgs, Jeremie
200 bgs, Transmarine Mercantile Corp, Cape Haiti
200 bgs, C A Mackey & Co, Port de Paix
500 bgs, Struller & Wood, Cape Haiti
325 bgs, Transmarine Mercantile Corp, Cape Haiti
130 bgs, W & A Leaman, Cape Haiti
2 pkgs, Fruit Dispatch Co, Port Limon
420 bgs, Curacao Trading Co, Trujillo
250 bgs, A A Lindo, Cristobal
250 bgs, Wessel, Kulenkampf & Co, Trinidad
500 bgs, Kennedy, Butcher & Co, Trinidad
250 bgs, Nieschlag & Co, Trinidad
777 bgs, Kennedy, Butcher & Co, Trinidad
200 bgs, Wessel, Kulenkampf & Co, Trinidad
500 bgs, Scholtz & Co, La Guaira
400 bgs, M Harrison & Co, La Guaira
214 bgs, London & Overseas Trading Co, La Guaira
500 bgs, Puerto Cabello
800 bgs, W R Grace & Co, Porto Cabello
600 bgs, Nieschlag & Co, Porto Cabello
65 bgs, M Harrison & Co, Porto Cabello
1,250 bgs, Cristobal
500 bgs, Middleton & Co, Cristobal
800 bgs, W R Grace & Co, Guayaquil
41 bgs, Tropic Food, Guayaquil
250 bgs, W R Grace & Co, Manta
1,575 bgs, W R Grace & Co, Guayaquil
250 bgs, Tropic Food, Guayaquil
300 bgs, Daarnhouwer & Co, Para
250 bgs, Kennedy, Butcher & Co, Trinidad
250 bgs, W R Grace & Co, Trinidad
250 bgs, Middleton & Co, Trinidad
500 bgs, Kennedy, Butcher & Co, Trinidad
500 bgs, Wessel, Kulenkampf & Co, Trujillo
321 bgs, Curacao Trading Co, Trujillo
700 bgs, Curacao Trading Co, Macoris
2,806 bgs, Curacao Trading Co, Sanchez
1,000 bgs, Curacao Trading Co, Porto Plata
500 bgs, Wessel, Kulenkampf & Co, Porto Plata
1,400 bgs, Machado & Co, Porto Plata
250 bgs, Carr Bros, Porto Plata
375 bgs, Curacao Trading Co, Porto Plata
COCONUTS—100 bgs, Universal Import & Export Co, Kingston
1,322 bgs, General Food Corp, Kingston
1,000 bgs, Kingston
500 bgs, General Food Corp, Kingston
200 bgs, J A Manton, Kingston
459 bgs, I L Toledano Corp, Cristobal
COCONUT SHELL CHARCOAL—20 cs, 200 bgs, General Food Corp, Manila
COCONUT, DESIC—1,000 cs, General Food Corp, Manila
1,000 pkgs, General Food Corp, Manila
150 cs, Wood & Selick, Manila
275 bgs, Dodwell & Co, Manila
250 bgs, 395 cs, Wood & Selick, Manila
3,210 cs, Philippine Desic Coconut Corp, Manila
554 cs, Durkee Famous Foods, Manila
573 cs, 5,618 bgs, General Food Corp, Manila
COLORS—8 cks, D C Andrews & Co, Havre
CONCENTRATES—6,156 pckts, Lourenco Marques
263 dms, Calcutta
COPPER MATTE—1,507 bgs, African Metal Corp, Beira
CORK—33 bls, American Hawaiian S S Co, Seville
192 bls, Armstrong Cork Co, Seville
24 bls, Cork Importing Co, Seville
PIECES—24 bls, Cork Importing Co, Seville
ROLLS— 1 cs, Armstrong Cork Co, Seville
WASTE—1,025 bls, Armstrong Cork Co, Seville
2,100 bls, United Cork Co, Seville
WOOD—60 bls, Armstrong Cork Co, Seville
55 bls, Wicander & Co, Seville
COTTON LINTERS—130 bls, Romero & Co, Paita
37 bls, Arturo A Pallete, Paita
CUBE ROOT 15 bls, Astoria Import & Mfg Co, Callao
CYANIDE PRECIP—27 cs, South Amer Development Co, Guayaquil
DERRIS CHIPS—100 cs, Batavia
83 cs, Jacobus F Frank, Semarang
2 cs, Joosten & Jansen, Semarang
83 cs, W M Allison & Co, Semarang
116 cs, Joosten & Jansen, Batavia
138 cs, Cheribon
ROOT—1 bl, Greene Trading Co, Tanga
1 bl, Greene Trading Co, Tanga
DISTILLATE, CRACKED—5 dms, F C Sealey, Trinidad
DYES, ANILIN—7 cks, St Dennis Kulman, St Clair, Havre
15 cks, St Dennis Kulmann, St Clair, Havre
EGG YOLK, HEN—22 cs, R Makishima, Tientsin
FISH LIVERS—527 tins, Atlantic Coast Fisheries, Shanghai
MEAL—2,857 bgs, Buenos Aires
FLAXSEED—731,231 kilos, 29,250 bus, Bunge North Amer Grain Co, Buenos Aires
508,000 kilos, 20,320 bus, Buenos Aires
1,402 bgs, 3,084 bus, Bunge North Amer Grain Co, Buenos Aires
1,016,000 kilos, 40,640 bus, Archer Daniels Midland Co, Buenos Aires
5,307 bgs, 11,675 bus, Buenos Aires
3,425 bgs, 7,535 bus, Archer Daniels Midland Co, Buenos Aires
2,225,000 kilos, 89,000 bus, Buenos Aires
508,000 kilos, 20,344 bus, L Dreyfus & Co, Buenos Aires
3,081 bgs, 6,778 bus, L Dreyfus & Co, Buenos Aires
3,888,232 kilos, 155,529 bus, L Dreyfus & Co, Buenos Aires
GAMBIER—123 cs, L Littlejohn & Co, Singapore
GELATIN, POWDERED—30 bbls, International Selling Corp, Antwerp
SHEET—100 bls, International Selling Corp, Antwerp
GINGER ROOT—100 bgs, Barclay Bank, Kingston
GLASS, PLATE—12 cs,. Brown Bros Harrimann Co, Antwerp
3 cs, New York & Porta Rico Co, Antwerp
2 cs, Brown Bros Harrimann Co, Antwerp
WINDOW—500 cs, Chase Natl Bank, Antwerp
2,634 cs, Seymour G Cole Co, Antwerp
20 cs, Langlotz & Co, Antwerp
30 cs, Seymour G Cole Co, Antwerp
52 cs, A H Bull & Co, Antwerp
500 cs, Chase Natl Bank, Antwerp
GLUE—6 bls, New York & Porto Rico Co, Antwerp
GLUESTOCK—73 bls, Havana
GRAPHITE—750 bgs, Asbury Graphite Mills, Colombo
800 bgs, Colombo
3,000 bgs, Ausbury Graphite Mills, Shanghai
GRASS, MED—25 bls, S B Penick & Co, Kobe
GUM, CHICLE—27 bls, Chicle Development Co, Kingston
COPAL—143 baskets, G W S Patterson & Co, Macassar
140 baskets, Sino Java Hvg, Macassar
139 baskets, G W S Patterson & Co, Macassar
218 baskets, Sino Java Hvg, Macassar
140 bgs, Stroock & Wittenberg, Singapore
195 baskets, National Carloading Co, Macassar
220 baskets, O G Innes Corp, Macassar
132 baskets, National Carloading Co, Macassar
64 baskets, Macassar
473 baskets, O G Innes Corp, Macassar
129 baskets, Stroock & Wittenberg, Macassar
206 baskets, O G Innes Corp, Macassar
191 baskets, Chase Natl Bank, Batavia
55 bgs, O G Innes Corp, Batavia
100 bgs, Thurston & Braidich, Antwerp
DAMMAR—42 bgs, O G Innes Corp, Batavia
70 bgs, Macassar
50 cs, G W S Patterson & Co, Singapore
840 bgs, O G Innes Corp, Singapore
140 bgs, G W S Patterson & Co, Sourabaya
70 bgs, France, Campbell & Darling, Sourabaya
100 cs, Manufacturers Trust Co, Batavia
50 cs, Batavia
72 cs, O G Innes Corp, Batavia
140 bgs, Manufacturers Trust Co, Batavia
140 bgs, G W S Patterson & Co, Batavia
NISPERO—29 bgs, Chicle Development Co, Cristobal
GUM, PERILLA—29 bls, Chicle Development Co, Cristobal
HERBS, MED—75 bgs, Nozaki Bros & Co, Tientsin
6 bls, S B Penick & Co, Callao
37 bgs, Vera Cruz
IRISH MOSS—25 bls, C H Reisig, Havre
80 bls, S B Penick & Co, Havre
50 bls, R J Prentiss & Co, Havre
15 bgs, Peek & Velsor, Havre
30 bls, Peek & Velsor, Havre
100 bls, Irving Trust Co, Havre
50 bls, R J Prentiss & Co, Havre
50 bls, S B Penick & Co, Havre
KOLA NUTS—40 bgs, Kingston
69 bgs, Peek & Velsor, Kingston
47 bgs, Kingston
LEAD, CONC—1,642 bgs, Beira
MACE—32 cs, Knickerbocker Mills Co, Macassar
32 cs, Macassar
9 cs, Batavia
MAGNESITE, CALC—275 bgs, General Magnesite & Magnesia Co, Seville
MANGROVE BARK—270 bgs, Dar Es Salaam
700 bgs, Zanzibar
MEDICINAL PREPS—2 cs, Davis & Lawrence Co, Kingston
4 cs, E Fougera & Co, Havre
15 cs, G J Wallau, Havre
1 cs, New York World Fair, Havre
9 cs, French Line, Havre
MENTHOL—20 cs, Orbis Product Corp, Shanghai
75 cs, Shanghai
50 cs, Magnus, Mabee & Reynard, Shanghai
MICA—14 cs, A O Schoonmaker Insulator Co, Havre
FILM—14 cs, American Mica Works, Calcutta
SPLITTINGS—13 cs, Eugene Munsell & Co, Calcutta
160 cs, Mica Insulator Co, Calcutta
66 cs, Soeldner & Heyman, Calcutta
25 cs, American Mica Works, Calcutta
60 cs, A O Schoonmaker Insulator Co, Calcutta
MINERALS—1,184 bgs, Tampico
MOLASSES—170,000 gls, American Molasses Co, Havana
MOTOR SPIRIT—25 dms, Anglo Amer Purch Co, Trinidad
MURU MURU KERNELS—1,000 bgs, General Food Corp, Para
MUSTARD—2 cks, Bellows & Co, Havre
NAPHTHA, REFORMING—10 dms, Anglo Amer Purch Co, Trinidad
NUTMEGS—168 bgs, P H Petry & Co, Grenada
50 bgs, W T Rawleigh Co, Grenada
50 bgs, Van Norden & Archibald, Grenada
33 bgs, Middleton & Co, Grenada
100 bgs, Thomas Scott & Co, Grenada
150 bgs, B H Old & Co, Grenada
21 bgs, Batavia
16 bgs, H P Winter & Co, Batavia
OCTANE—23 dms, Anglo Amer Purch Co, Trinidad
OIL—2 cks, D F Sallows, Havre
ANISE—10 dms, P R Dreyer, Hongkong
CAMPHOR—5 dms, Ungerer & Co, Yokohama
5 dms, Geo Lueders & Co, Yokohama
20 dms, Dodge & Olcott Co, Hongkong
5 dms, Ungerer & Co, Yokohama
5 dms, Geo Uhe Co, Yokohama
5 dms, Ungerer & Co, Yokohama
CASSIA—10 dms, P R Dreyer, Hongkong
CHINAWOOD—1,142 tons, Universal Trading Corp, Hongkong
CINNAMON LEAF—1 cs, Murphy & Beese Co, Colombo
CITRONELLA—448 cs, Batavia
4 dms, H P Winter & Co, Cheribon
CLOVE—2 cks, Belawan Deli
COCONUT—Quantity, Cheribon
126 tons, Colgate-Palmolive-Peet Co, Manila
CODLIVER—(Correction—In previous issue Norwich Pharm Co was credited with 2,876 dms, should have read 200 dms, Bergen)
3,032 dms, Iceland
ESSENTIAL—7 cs, Dodge & Olcott Co, Havre
6 cks, Caron Corp, Havre
4 cs, I etn, Chase Natl Bank, Havre
19 etns, Royal Shipping Co, Havre
2 cs, E Fougera & Co, Havre
8 cs, Rohner, Gehrig & Co, Havre
1 cs, H S Head, Havre
3 cks, 2 cs, Dodge & Olcott Co, Havre
7 cs, Perfumers Mfg Co, Havre
21 cs, J E Bernard & Co, Havre
10 cks, 6 cs, Roure Dupont, Havre
2 cs, H W Robinson Co, Havre
13 cs, Concentrate Mfg Co, Havre
1 cs, W I Chudleigh, Havre
1 cs, French Amer Banking Corp, Havre
2 cs, H Bendel Co, Havre
1 cs, New York Words Fair, Havre
1 cs, Stein Stiner Co, Havre
2 cs, Titan Shipping Co, Havre
8 cs, French Line, Havre
FUEL—5 dms, F C Sealey, Trinidad
10,000 bbls, Asiatic Petroleum Corp, Curacao
GERANIUM—12 dms, Belawan Deli
LEMON—4 cs, Wells Fargo & Co, Vera Cruz
LIME—9 cs, Roseau
LINALOE—1 dm, C A Von Gundlach, Vera Cruz
OLIVE—100 cs, Guaranty Trust Co, Seville
15 dms, Irving Trust Co, Seville
300 cs, Manufacturers Trust Co, Seville
50 dms, Guaranty Trust Co, Seville
50 dms, Banco di Napoli Trust Co, Seville
200 cs, Marine Midland Trust Co, Seville
100 dms, Chemical Bank & Trust Co, Seville
15 dms, Banco di Napoli Trust Co, Seville
150 dms, Tradesmen Natl Bank, Seville
25 dms, Banco di Napoli Trust Co, Seville
ORANGE—20 cs, Geo Lueders & Co, Kingston
PALM—740 tons, Banque Belge pour L'Etranger, Belawan Deli
120 tons, United States Rubber Co, Belawan Deli
455 tons, Stein, Hall & Co, Belawan Deli
255 tons, Van Leenwen, Boomkamp & Co, Belawan Deli
PARAFFIN, DISTILLATE—20 dms, Asiatic Petroleum Corp, Macassar
PEANUT—396 tons, Shanghai
SPERM—5,271 tons, Whaling Ground
TEASEED—100 dms, Leghorn Trading Co, Shanghai
WHALE—7,421 tons, Whaling Ground
ORANGE PEEL—58 bgs, Cuasse Mfg & Import Co, Cape Haiti
PAPAYA JUICE—7 pkgs, M Chapnick, Trujillo
PAPRIKA—40 cs, Seatrain Line, Seville
PARAFFIN—5,280 bgs, Asiatic Petroleum Corp, Macassar
PATCHOULI LEAVES—38 bls, W J Bush & Co, Singapore
PEPPER—38 bgs, F W Pabst, Tampico
153 bgs, F W Pabst, Vera Cruz
BLACK—2,850 bgs, Oosthaven
PETROLATUM, MED—10 cks, Concentrate Mfg Co, Havre
PIMENTO—38 bgs, W E Martin, Porto Barrios
PLASTER—250 bgs, A V Berner & Co, Havre
PUMICE—120 bgs, Rustan Prod Co, Canneto
319 bgs, J Henry Schroeder Bankin Corp, Canneto
600 bgs, Industrial Mdse Corp, Canneto
195 bgs, A Conkey, Seville
LUMP—80,000 kilos, J Henry Schroeder Banking Corp, Canneto
18 bgs, J Henry Schroeder Banking Corp, Canneto
150,000 kilos, J Henry Schroeder Banking Corp, Canneto
2,050 bgs, K F Griffiths & Co, Canneto
3,155 bgs, Industrial Mdse Corp, Canneto
PYRETHRUM FLOWERS—60 bls, Groene Trading Co, Dar Es Salaam
50 bls, S B Penick & Co, Dar Es Salaam
625 bls, Mombasa
50 bls, Dar Es Salaam
250 bls, J Powell & Co, Mombasa
125 bls, R J Prentiss & Co, Mombasa
125 bls, S B Penick & Co, Mombasa
250 bls, R J Prentiss & Co, Mombasa
250 bls, McCormick & Co, Mombasa
QUICKSILVER—48 flasks, Chase Natl Bank, Vera Cruz
107 flasks, Chase Natl Bank, Vera Cruz
RHUBARB—1 cs, Shanghai
16 cs, Peek & Velsor, Shanghai
SAGO FLOUR—724 bgs, Stein, Hall & Co, Singapore
SAPONIN—20 cs, W R Grace & Co, Valparaiso
SARDINE MEAL—2,000 bgs, Shanghai
SARSAPARILLA ROOT—6 bls, P H Petry & Co, Tampico
SCHEELITE—205 bgs, Buenos Aires
100 bgs, Chase Natl Bank, Buenos Aires
268 bgs, Buenos Aires
SEED MED—33 bgs, S B Penick & Co, Seville
SESAME SEED—300 bgs, Ataka & Co, Shanghai
168 bgs, Wagner Bros, Shanghai
SHARK LIVERS—1 dm, Ocean Leather Co, Havana
13 dms, Chase Natl Bank, Havana
SHELLAC—200 bgs, Mantrose Corp, Calcutta
25 chests, A Hurst & Co, Calcutta
400 bgs, Gillespie Rogers Pyatt Co, Calcutta
160 bgs, MacLae Co, Calcutta
100 cs, Mantrose Corp, Calcutta
50 cs, E J Cornelis, Calcutta
100 bgs, E L Androvette, Calcutta
200 bgs, E E Androvette, Calcutta
SEEDLAC—200 bgs, Wm Zinsser & Co, Calcutta
100 bgs, Dings & Schuster, Calcutta
200 bgs, Mantrose Corp, Calcutta
300 bgs, Gillespie Rogers Pyatt Co, Calcutta
750 bgs, E J Cornelis, Calcutta
SOAP—54 cs, Concentrate Mfg Co, Havre
6 cs, H Bendel Co, Havre
SOAP BARK—495 bgs, W R Grace & Co, San Antonio
SODA CYANIDE—1,100 dms, C Hardy, Havre
330 cyls, C Hardy, Havre
770 dms, C Hardy, Havre
330 cks, C Hardy, Havre
NITRATE—44,752 bgs, Chilian Nitrate Sales Corp, Tocopilla
SPONGES—2 cs, Globe Shipping Co, Havre
15 bls, New York & Cuba Mail S S Co, Havana
21 bls, Mantes Bros, Havana
4 bls, J Bloch, Havana
25 bls, Schroeder & Tremayne, Havana
15 bls, Havana
4 bls, Gulf West Indies Co, Havana
129 bls, Johns Manville Co, Havana
14 bls, Schroeder & Tremayne, Nassau
19 bls, Nassau
REFUSE—8 bls, J Bloch, Havana
54 bls, Schroeder & Tremayne, Havana
23 bls, Havana
37 bls, Gulf West Indies Co, Havana
TALC—162 cs, Whittaker, Clark & Daniels, Kobe
TAPIOCA FLOUR—11,665 bgs, Corn Product Refining Co, Puerto Plata
2,206 bgs, Macassar
1,000 bgs, Stein, Hall & Co, Semarang
1,000 bgs, Brown Bros-Harrimann Co, Batavia
510 bgs, Chase National Bank, Batavia
250 bgs, W R Grace & Co, Batavia
1,065 bgs, Cheribon
700 bgs, Cheribon
TARTAR—257 bgs, W R Grace & Co, San Antonio
1,480 bgs, Charles Pfizer & Co, Buenos Aires
TOLU BALSAM—20 cs, Mecke & Co, Barrinquilla
TONKA BEANS—40 bbls, Para
4 cks, Machado & Co, Trinidad
TUNGSTEN—60 bgs, Metal Traders, Inc, Callao
URANIUM OXIDE—100 dms, Central Trading Corp, Antwerp
VANADIUM — 7,593 bgs, Vanadium Corp, Callao
VANILLA BEANS—15 cs, Guaranty Trust Co, Havre
13 cs, New York & Cuba Mail S S Co, Vera Cruz
90 cs, New York & Cuba Mail S S Co, Vera Cruz
20 cs, New York & Cuba Mail S S Co, Vera Cruz
5 cs, A C Fraser & Co, Semarang
71 cs, Philadelphia National Bank, Belawan Deli
91 cs, Marine Midland Trust Co, Belawan Deli
22 cs, Irving Trust Co, Belawan Deli
25 cs, Belawan Deli
112 cs, Messageries Maritime, Belawan Deli
215 cs, J Manheimer, Inc, Belawan Deli
149 cs, French American Banking Corp, Belawan Deli
47 cs, Irving Trust Co, Belawan Deli
43 cs, Tradesmen National Bank, Belawan Deli
114 cs, National City Bank, Belawan Deli

WAX, BEES—100 bgs, Will Baumer Candle Co, Rio de Janeiro
100 bgs, D Steengrafe, Santos
18 bgs, Schutte & Focke, Trujillo
34 bgs, Schutte & Focke, Trujillo
47 bgs, Havana
17 bgs, Hides Trading Co, Havana
6 bgs, Lenape Trading Co, Trujillo
82 bgs, Curacao Trading Co, Trujillo
18 bgs, Puerto Barrios
CANDELILLA—606 bgs, M Argueso & Co, Tampico
CERESIN — 160 bgs, Asiatic Petroleum Corp, Sourabaya
REFINED—4,235 bgs, Standard Oil Co of N J, Batavia
847 bgs, Standard Oil Co of N J, Batavia
VEGETABLE—200 cs, Strohmeyer & Arpe Co, Shanghai
100 cs, Industrial Prod, Inc, Shanghai
WHALE LIVERS — 1,000 bbls, Whaling Ground
WHITING—4,000 bgs, Nicholas H Weitzner, Antwerp
500 bgs, C B Chrystal & Co, Antwerp
WOLFRAM, CONC—1,000 bgs, Royal Bank of Canada, Arica
ORE—358 bgs, Philipp Bros, Capetown
349 bgs, Buenos Aires
205 bgs, Buenos Aires

New York Transit Imports

COCONUT, DESIC—100 cs, Cooperative Coconut Prod, Inc, Manila, Bridgeport
GINGER ROOT—36 bbls, Parke, Davis & Co, Kingston, Detroit
OIL, Chaulmoogra—5 cs, Parke, Davis & Co, Calcutta, Detroit
PAPAIN—8 cs, Carter, Cummings & Co, Mombasa, Buffalo
PYRETHRUM FLOWERS—125 bls, Allaire, Woodward & Co, Mombasa, Peoria
SARSAPARILLA ROOT—14 bls, Parke, Davis & Co, Tampico, Detroit

Baltimore Imports

CHROME ORE—1,500 tons, Thessaloniki
FISHMEAL—1,600 bgs, Kobe
IRON ORE—10,500 tons, Bethlehem Steel Co, Daiquiri
MAGNESITE ORE—28,500 bgs, Dairen
MANGANESE ORE—4,940 tons, Bethlehem Steel Co, Durban
6,150 tons, Bethlehem Steel Co, Poti
5,400 tons, Poti
MEAKIN MEAL—1,920 bgs, Kobe
OILS, FUEL—48,442 bbls, Standard Oil Co N J, Aruba
110,000 bbls, Standard Oil Co N J, Las Piedras
PETROLEUM, CRUDE—62,704 bbls, Pan American Ref Corp, Las Piedras

Boston Imports

COCOA BEANS—200 bgs, Wessel, Kulenkampf & Co, Trinidad
MICA WASTE—500 bgs, F D Pitts Co, Lourenco Marques
OIL, COCONUT—1,000 tons, Philippine Refg Corp, Cebu
PALM—254 tons, Banque Belge pour l'Etranger, Belawan Deli
TAPIOCA FLOUR—250 bgs, W R Grace & Co, Semarang
1,088 bgs, Irving Trust Co, Tjilatjap
VANILLA BEANS—7 cs, Brown Bros Harrimann Co, Batavia

Jacksonville Imports

BLOOD, DRIED—800 bgs, Rio Janeiro
118 bgs, Rio Janeiro
BONE MEAL—2,203 bgs, Montevideo
FERTILIZER—1,030 bgs, Ashcraft Wilkinson Co, Buenos Aires
1,200 bgs, Buenos Aires
TANKAGE—1,016 bgs, Rio Janeiro
TAPIOCA FLOUR—250 bgs, Chase Natl Bank, Batavia

Los Angeles Imports

AGAR—530 lbs, Kobe
AMMONIA PHOSPHATE—120,000 lbs, Trail
CALCIUM ARSENATE—80 lbs, Osaka
COCONUT, DESIC—85,670 lbs, Zamboanga
FISH LIVERS—563 tins, 22,520 lbs, Japan
679 tins, 27,160 lbs, Yokohama
GLASS, WINDOW—77 pkgs, 9,830 lbs, Brussels
NAPHTHALENE—152 sks, 33,510 lbs, Amsterdam
PAPRIKA, GRD—2,750 lbs, Budapest
PEANUT MEAL—60,000 lbs, Tsingtao
PEATMOSS—100,800 lbs, Gothenburg
POTASH METABISULPHITE—4,410 lbs, Paris
PYRETHRUM FLOWERS—13,440 lbs, Kobe
RICE FLOUR—100 lbs, Yokohama
SAND—672,000 lbs, Antwerp
SILVER—336,000 lbs, Antwerp
SESAME SEED—20,000 lbs, Yokohama
STARCH, RICE—420 lbs, Kobe
TALC—44,100 lbs, Bordeaux
TOILET PREPS—1,580 lbs, Sourabaya
WHITING—338,740 lbs, Brussels
105,230 lbs, Antwerp

New Orleans Imports

CHROME ORE—5 bgs, Havana
COCONUTS—17 tons, Belize
10 tons, Swan Island
IRON ORE—12 bgs, Havana
LIME—101 tons, Havana
PAINT, ASPHALT—1,430 tons, New York
SOAP—6 cs, New York
TOILET—18 ctns, New York
SPONGES—72 bls, Havana

Norfolk Imports

TAPIOCA FLOUR—150 bgs, Batavia
850 bgs, National City Bank, Sourabaya
850 bgs, Batavia
5,773 bgs, National City Bank, Sourabaya

Philadelphia Imports

BAUXITE ORE—2,398 tons, Demerara
BONES—2,270 bgs, Buenos Aires
CASSIA—215 pkgs, Padang
CHROME ORE—3,000 tons, E J Lavino & Co, Beira
CORK—977,000 kilos, Armstrong Cork Co, Collo
615,000 kilos, Armstrong Cork Co, Djidjelli
1,623 tons, Armstrong Cork Co, Seville
FISH LIVERS—96 tins, Chase National Bank, Yokohama
FLAXSEED—1,003 tons, Louis Dreyfus & Co, Buenos Aires
GAMBIER—520 cs, Penang
GREAVES—1,179 cakes, 18 bgs, Buenos Aires
1,003 tons, Buenos Aires
MAGNESITE ORE—9,680 bgs, Dairen
MOLASSES—1,358,360 gals, Publicker Alcohol Co, Antilla
1,400,000 gals, E I du Pont de Nemours & Co, Inc, Nuevitas & Tanamo
1,276,240 gals, Publicker Alcohol Co, Pastelillo
PETROLEUM, CRUDE—31,035 bbls, Gulf Oil Corp, Puerto la Cruz
65,000 bbls, Atlantic Refining So, Las Piedras
71,894 bbls, Gulf Oil Corp, Puerto la Cruz
TAPIOCA FLOUR—5,963 bgs, National City Bank of New York, Sourabaya

Savannah Imports

COCONUT, DESIC—200 cs, Balfour, Guthrie & Co, Manila

Wilmington Imports

COCONUT, DESIC—200 cs, Balfour, Guthrie & Co, Manila

Exports from U.S. Ports

Baltimore Exports

AMMONIA SULPHATE—2,205,000 lbs, destination unknown
POTASH BICHROMATE—23,889 lbs, destination unknown

Los Angeles Exports

ACETONE—350 dms, 116,510 lbs, Liverpool; 571 dms, 204,440 lbs, Amsterdam; 256 dms, 91,660 lbs, Antwerp; 20 dms, 7,160 lbs, Mexico
ACID, BORIC—70 bgs, 6,910 lbs, Manila; 4,000 bgs, 448,000 lbs, Liverpool 1,000 bgs, 112,000 lbs, Liverpool 1,863 pkgs, 209,340 lbs, Sydney 40 bgs, 4,410 lbs, Rio de Janeiro
OXALIC—3,900 lbs, Shanghai
ALCOHOL, ANHYDR—6 dms, 2,150 lbs, Amsterdam 12 dms, 4,300 lbs, Antwerp
BUTYL—80 dms, 29,220 lbs, Amsterdam; 12 dms, 4,430 lbs, Antwerp
DIACETONE—16 dms, 6,860 lbs, Amsterdam
ALLYL CHLORIDE — 11 dms, 4,510 lbs, Havre
ASPHALT—375 dms, 172,030 lbs, Balboa; 50 dms, 24,680 lbs, Panama; 441 bbls, 472,640 lbs, Balboa; 187 dms, 89,600 lbs, La Union; 195 dms, 103,120 lbs, Cristobal-Balboa
LIQUID—30 dms, 8,280 lbs, Rio de Janeiro
SOLID—522 dms, 224,000 lbs, Singapore-Port Swettenham-Penang

CLEANING MILLING
GUMS, DRUGS
FOOD PRODUCTS
To
Your Specifications
Try
Gruman's Service
Telephone MArket 3-2491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N. J.

BENTONITE—20 bgs, 2,000 lbs, Montevideo
BLACK, CARBON—1,120 bgs, 112,000 lbs, London; 4,500 lbs, Amsterdam
BORATE—6,000 bgs, 1,120,000 lbs, Liverpool
BORAX—30 bgs, 2,980 lbs, Manila; 80 bgs, 8,960 lbs, Auckland; 2,000 bgs, 224,000 lbs, London; 1,000 bgs, 224,000 lbs, Liverpool; 100 bgs, 11,200 lbs, Sydney
BUTYL ACETATE—23 dms, 9,060 lbs, Amsterdam; 11 dms, 4,330 lbs, Antwerp
CALCIUM ARSENATE—50 lbs, Corinto
CHEMICALS—45 dms, 17,910 lbs, Amsterdam
CLAY, FILTER—400 sx, 20,000 lbs, Fortaleza; 170 sx, 8,500 lbs, Auckland; 44 sx, 2,200 lbs, Mexico; 224 sx, 11,200 lbs, Sydney
CLEANER—1,400 lbs, Shanghai; 280 lbs, Manila; 150 lbs, Panama; 520 lbs, Manila
COLOR, DRY—520 lbs, Coco Solo; 4,150 lbs, Wellington; 600 lbs, Melbourne; 2,640 lbs, Melbourne
COPRA—1,890 bgs, 211,870 lbs, Puntarenas
COTTON LINTERS—676 bls, 322,450 lbs, Liverpool
SEED—30,000 lbs, La Union
DIATOMACEOUS EARTH—640 bgs, 63,560 lbs, Buenos Aires; 14,473 bgs, 1,444,800 lbs, Liverpool; 1,570 bgs, 150,720 lbs, Liverpool; 2,186 bgs, 182,940 lbs, Sydney; 176 bgs, 17,600 lbs, Melbourne
ETHYLENE DIBROMIDE—20 lbs, Palmerston North
FILM SCRAP—5,790 lbs, Liverpool; 5,790 lbs, Oslo
FLOTATION REAGENT—52 dms, 13,040 lbs, Suva
FLYSPRAY—2,130 lbs, Manila
GASOLINE—4,090 bbls, Shimotsu; 300 dms, Uyuni; 85,100 bbls, Dairen
GREASE, LUBRIC—61 bbls, 41 pls, 102 ctns, 20,500 lbs, Panama
INSECTICIDE—100 lbs, Corinto
ISOPROPYL ETHER—41 dms, 13,490 lbs, Amsterdam
LACQUER—1,650 lbs, Hongkong; 650 lbs, San Jose de Guatemala; 5,790 lbs, Lima
THINNER—3,680 lbs, Hongkong; 2,640 lbs, San Jose de Guatemala; 5,570 lbs, Lima
MEDICINAL PREPS—350 lbs, Manila
METHYL ETHYL KETONE—92 dms, 33,670 lbs, Amsterdam
OIL, DIESEL—100,115 bbls, Liverpool; 1,424 bbls, Porto Armuelles
FISH—920 lbs, Auckland
FUEL—63,004 bbls, Tocopilla; 46,625 bbls, Manila
GAS—108,289 bbls, Curacao
GRAPEFRUIT—140 lbs, Melbourne
LEMON—1,680 lbs, Melbourne; 9,000 lbs, Liverpool
OIL, LUBRICATING—120 dms, 105 ctns, Panama; 65 pls, Panama; 60 ctns, Balboa; 20 dms, Colon; 6 dms, 15 pls, Sydney; 3 cyls, Melbourne
ORANGE—300 lbs, Auckland; 500 lbs, Melbourne; 6 lbs, Tientsin
PINE—4,710 lbs, Suva
SARDINE—12,600 lbs, Auckland
PAINT—380 lbs, Hongkong; 1,040 lbs, Coco Solo; 1,800 lbs, La Libertad; 3,920 lbs, Lima
PECTIN, APPLE—920 lbs, Melbourne
CITROUS—300 lbs, Auckland; 7,050 lbs, London; 200 lbs, Sydney
PETROLEUM, CRUDE—44,008 bbls, Shimotsu; 63,702 bbls, Vancouver
GAS, LIQ—19 cyls, 4,090 lbs, Auckland; 222 cyls, 9,030 lbs, Sydney; 318 cyls, 8,530 lbs, Melbourne
POLISH—1,170 lbs, Suffolk
PUTTY—20 lbs, Coco Solo; 50 lbs, San Jose de Guatemala
SILICATE—1,000 bgs, 110,230 lbs, Buenos Aires
SODA ASH—507,150 lbs, Sao Paulo; 2,204,700 lbs, Buenos Aires; 22,000 lbs, Guayaquil
BICARBONATE—700 lbs, La Union
CHLORIDE SOLUT—2,750 lbs, Buenos Aires
SILICATE—22,000 lbs, Buenaventura
SOLVENT, CLEANING—6,350 lbs, Panama
STARCH—230 lbs, Tutuila
SULPHUR—100 lbs, Corinto
TALC—1,200 sks, 120,000 lbs, Fredrikstad; 20 sks, 2,240 lbs, San Jose de Guatemala; 62 bgs, 13,890 lbs, Sydney
TOILET PREPS—170 lbs, Calcutta; 620 lbs, Cairo; 620 lbs, San Jose; 1,090 lbs, Kingston; 340 lbs, Cristobal; 1,760 lbs, Rio Janeiro
TURPENTINE—70 lbs, Coco Solo

New Orleans Exports

ASPHALT—113 tons, West Coast South America
COTTON LINTERS—3 tons, Cristobal
EXTRACT—46 tons, Vera Cruz
FERTILIZER—15 tons, Cristobal
GASOLINE—113 tons, Puerto Barrios
KEROSENE—10 tons, Puerto Limon; 21 tons, Tela
LARD—79 tons, Havana; 91 tons, Cristobal; 61 tons, Puerto Limon; 17 tons, Santiago; 87 tons, Barranquilla; 15 tons, Cartagena; 11 tons, Panama City; 76 tons, West Coast South America
LIME, HYDRATED—363 tons, Puerto Barrios
LUBRICANT—79 tons, Vera Cruz
OIL, DIESEL—10 tons, Livingston; 97 tons, Puerto Cabezas
FUEL—204 tons, Ceiba
LUBRICATING—17 tons, Belize; 54 tons, Puerto Barrios; 2 tons, Ceiba
TRACTOR—2 tons, Ceiba
PARAFFIN—18 tons, West Coast South America; 62 tons, Cristobal
ROSIN—46 tons, Havana; 87 tons, Cristobal; 54 tons, Barranquilla; 11 tons, Cartagena
SALT—27 tons, Havana; 50 tons, Cristobal; 22 tons, Belize
SODA, CYANIDE—21 tons, Puerto Cabezas
SYRUP—8 tons, Vera Cruz
TRIPOLI—27 tons, Cristobal
TURPENTINE—37 tons, Cristobal

Philadelphia Exports

ACETONE—28 dms, Buenos Aires
ACID, CHROMIC—44 dms, Buenos Aires
FORMIC—90 crbys, Pernambuco
35 crbys, Santos
ALUMINA SULPHATE — 157 bgs, Porto Alegre; 100 bgs, Buenos Aires
AMMONIA, ANHYDR—20 dms, Rio de Janeiro
AMYL ACETATE—20 dms, Rio de Janeiro
ASPHALT—8 dms, Buenos Aires
BENZOL—50 dms, Buenos Aires
BRAKE FLUID—1 dm, Santos
CALCIUM SUCRATE—6 cs, Tokio
CEMENT, FIBER—3 dms, Santos
RUBBER—1 dm, 2 pls, Santos
CLEANER COMPOUND—6 dms, Santos
DYEWOOD EXTRACT—2 bbls, Rio de Janeiro
GREASE—1 bbl, Santos
LUBRICATING—65 cs, 16 quarter dm.s, Santos
INSECTICIDE—1 dm, Buenos Aires
NITROCELLULOSE—2 dms, Rio de Janeiro
OIL, COCONUT—1 dm, Tokio
LUBRICATING—834 cs, 2,349 dms, Casablanca; 136 dms, 30 bbls, 546 cs, Santos; 687 dms, 99 cs, Buenos Aires; 115 cs, 55 dms, Rio de Janeiro; 10 dms, 436 cs, Porto Alegre; 759,260 lbs, Mediterranean and Adriatic ports
NEATSFOOT—6 bbls, Buenos Aires
PARAFFIN—50 dms, Buenos Aires
PARAFFIN—1,000 bgs, Casablanca
PAINT—6 dms, 52 pls, Santos
PETROLEUM, CRUDE—4 dms, Yokohama
SHELLAC—1 pl, Santos
TOLUOL—100 dms, Buenos Aires
WATERPROOFING PREP—10 kits, Rio de Janeiro

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—59,000 bbls, Seattle; 8,935 bbls, San Diego; 80,618 bbls, Seattle; 67,905 bbls, Portland; 3,288 bbls, San Diego; 16,841 bbls, San Diego; 40,771 bbls, Seattle; 6,395 bbls, Seattle
OIL, DIESEL—21,459 bbls, Seattle; 16,000 bbls, Seattle; 7,584 bbls, Portland; 1,462 bbls, San Diego; 2,211 bbls, San Diego; 6,387 bbls, Seattle
FUEL—28,316 bbls, Seattle; 63,600 bbls, Portland; 63,694 bbls, Davenport; 62,238 bbls, Portland; 59,000 bbls, Portland; 2,335 bbls, Portland; 1,862 bbls, Portland; 9,891 bbls, San Diego; 43,782 bbls, Seattle
FLUSHING—2,496 bbls, Davenport
FURNACE — 3,057 bbls, Portland; 6,000 bbls, Seattle; 1,806 bbls, Seattle; 2,021 bbls, Seattle

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Two Weeks Ended May 8

Egg yolk, 56 cases; decomposed.
Medicinal preparations, 200 bottles; not properly labeled.
Medicinal preparations, 1 parcel; new drug.
Medicinal preparations, 1 parcel; false therapeutic claims.
Medicinal preparations, 1 case; false and misleading statements; dangerous drug.
Medicinal preparations, 3 parcels; false and misleading statements.
Medicinal preparations, 1 case; dangerous drug.
Medicinal preparations, 1 parcel; false therapeutic claims; not properly labeled.
Medicinal preparations, 10 cases; false therapeutic claims.
Medicinal preparations, 117 cases; false and misleading statements.
Medicinal preparations, 1 parcel; false and misleading statements; new drug.
Mineral water, 20 cases; false therapeutic claims; no quantity of contents statement.
Nutmegs, 162 bags; wormy and moldy.
Nutmegs, 1,160 bags; restricted use.
Nutmegs, 368 bags; restricted use.
Papaya juice, 17 cartons; not properly labeled.

Boston

Two Weeks Ended May 1

Cod oil, 5,153 gallons; restricted use.
Cosmetics, 1 parcel; no quantity of contents statement; deceptive container.
Hair dye, 1 parcel; no caution statement; not properly labeled.
Medicinal preparation, 2 boxes; false therapeutic claims.

Buffalo

Week Ended May 1

Medicinal preparation, 1 parcel; not properly labeled.

Denver

Week Ended May 2

Medicinal, 12 pieces; false therapeutic claims.

Los Angeles

Week Ended May 2

Medicinals, 8 pieces; false therapeutic claims.

Philadelphia

Week Ended May 8

Savory leaves, 25 bales; filthy.

San Francisco

Week Ended May 2

Almond powder, 2 cases; false and misleading statements.
Medicinal, 600 pieces; false therapeutic claims.
Medicinal, 1,000 pieces; new drug.

Seattle

Two Weeks Ended May 1

Coloring matter, 100 pounds; uncertified coal tar colors.
Flavoring powder, 2 cases; false therapeutic claims.
Medicinals, 972 pieces; false therapeutic claims.
Medicinal, 800 pieces; false therapeutic claims.
Sesame seed, 1 case; filthy.
Sesame seed, 2 cases; filthy and short weight.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Aluminum Sulphate:—Alexandria, Egypt; agency (7111).
Ammonia Sulphate: — Alexandria, Egypt; agency (7111).
Chemicals, Industrial:—Budapest, Hungary; purchase and agency (7110).
Copal Wax:—Budapest, Hungary; purchase and agency (7085).
Dammar Wax:—Budapest, Hungary; purchase and agency (7085).
Laundry Soap:—Jeddah, Saudi Arabia; purchase (7121).
Linseed Oil:—Cairo, Egypt; purchase and agency (7110).
Muriatic Acid: — Alexandria, Egypt; agency (7111).
Paint Materials:—Budapest, Hungary; purchase and agency (7110).
Pharmaceuticals:—Budapest, Hungary; purchase and agency (7110).
Pharmaceuticals:—Bilbao, Spain; purchase and agency (7010).
Rosin: — Alexandria, Egypt; agency (7050).
Rosin:—Budapest, Hungary; purchase and agency (7085).
Silver Nitrate: — Lisbon, Portugal; agency (7026).
Soda Bichromate:—Oporto, Portugal; purchase (7019).
Soda Bisulphite:—Alexandria, Egypt; agency (7111).

Current Market Quotations

—*Continued from page 23*

Vanilla Beans—Zirconium

Vanilla beans, Bourbon, tins	lb.	6.00 - 6.50
Mexican, tins	lb.	6.00 - 6.50
cuts, tins	lb.	5.50 - 6.00
South American, tins	lb.	No prices
oleoresin, bots	lb.	18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins	lb.	2.60 - —
5-lb. tins	lb.	2.65 - —
1-lb. tins	lb.	2.75 - —
ex guaiacol, 25-lb. tins	lb.	2.50 - —
5-lb. tins	lb.	2.55 - —
1-lb. tins	lb.	2.65 - —
ex lignin, 25-lb. tins	lb.	2.50 - —
5-lb. tins	lb.	2.55 - —
1-lb. tins	lb.	2.65 - —
Venice turpentine, true, cs	lb.	.60 - .70
Verdigris, bbls., kgs	lb.	.22 - .32
Vinyl acetate, cns., works	lb.	.25 - —
dms., c.l., 20,000 lbs. gross, works	lb.	.14 - —
l.c.l., works	lb.	.15 - —
5 gals., dms., works	lb.	.25 - —
Violet, methyl, toner (see M).		
V.M.P. naphtha (see petroleum naphtha, v.m.p.).		

W

Wahoo bark, bls	lb.	.45 - .46
tree	lb.	.19 - .22
Wattle bark, bgs., f.a.s.	ton.	34.00 -35.75
Extract, solid, bgs	lb.	.64½- —
Wax, bayberry, import, bgs	lb.	.22 - .23
Bees, white, bleach, slabs, cs., 5 case lots	lb.	.38 - —
1 cs. lots	lb.	.38½- —
cakes, 5 cs., lots	lb.	.39 - —
1 cs., lots	lb.	.39½- —
discs, 5 cs., lots	lb.	.40 - —
1 cs., lots	lb.	.40½- —
yellow, crude, Africa, 10-bg. lots	lb.	.25 - .25½
1 bg	lb.	.25½- .26
Brazil, bgs, 5-ton lots	lb.	.25 - .25½
1 ton	lb.	.25½- .26
500 lbs	lb.	.26 - .26½
100 lbs	lb.	.26½- .27
refd., slabs, cs., lbs	lb.	.31 - .36
Candelilla, bgs., 1 ton	lb.	.18½- .19
jobbing lots	lb.	.19 - .19½
Carnauba, No. 3 chalky, bgs., 1 ton	lb.	.64 - .66
5 bgs	lb.	.64½- .66½
1 bg	lb.	.65 - .65½
N. C., 2 bgs., 1 ton	lb.	.71 - .73
N. C., 3 bgs., 1 ton	lb.	.66 - .68
5 bgs	lb.	.66½- .68½
1 bg	lb.	.67 - .69
refined, bgs	lb.	.73 - .74
yellow, No. 1, bgs., 1 ton	lb.	.83 - .85
5 bgs	lb.	.83½- .85½
1 bg	lb.	.84 - .86
No. 2, bgs	lb.	.82 - .84
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton	lb.	.11½- .12
jobbing lots	lb.	.12½- .13
150°-160° m.p., bgs., 1 ton	lb.	.13½- .14
jobbing lots	lb.	.14½- .15
160° m.p., bgs., 1-ton	lb.	.13½- .14
jobbing lots	lb.	.14½- .15
Japan, cs	lb.	.15½- .16
Montan, bgs., c.l.	lb.	No prices
5 tons	lb.	No prices
less than 1 ton	lb.	No prices
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs	lb.	No prices
70°-72° C., bgs	lb.	No prices
74°-76° C., bgs	lb.	No prices
Snow-white, pure 76°-78° C., bgs	lb.	No prices
yellow, natural, 76°-78° C., bgs	lb.	No prices
Paraffin (see P.).		
Spermaceti, blocks, cs	lb.	.22 - .23
cakes, cs	lb.	.23 - .24
White lead (see Lead, white).		
White pine bark, rossed, bls	lb.	.07 - .08
White precipitate, powd., dms., 50 lbs. or more	lb.	2.54 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works	ton.	16.00 -20.00
l.c.l., works	ton.	18.00 -22.00
bbls., c.l., work	ton.	19.00 -24.00
l.c.l., works	ton.	21.00 -26.00
pap. bgs., c.l., works	ton.	15.00 -18.00
l.c.l., works	ton.	17.00 -20.00
wet.-grnd., bip., bgs., c.l., works	ton.	18.50 -22.50
l.c.l., works	ton.	19.00 -23.00
bbls., c.l., works	ton.	21.00 -26.00
gilder's bolted, bip., bgs., c.l., works	ton.	18.00 - —
l.c.l., works	ton.	19.00 - —
bbls., c.l., works	ton.	20.00 -21.00
l.c.l., works	ton.	21.00 -22.00
pap. bgs., c.l., works	ton.	17.00 -18.50
l.c.l., works	ton.	18.00 -19.00
Paris white, bip., bgs., c.l., works	ton.	19.00 - —
l.c.l., works	ton.	20.00 - —
bbls., c.l., works	ton.	22.50 -27.50
l.c.l., works	ton.	22.00 -25.00
pap. bgs., c.l., works	ton.	19.00 -23.10
l.c.l., works	ton.	20.00 -24.50
Limestone, air floated, 99.75% 200 mesh, paper bgs., c.l.	ton.	9.65 - —
200 mesh, paper bgs., c.l., same basis	ton.	8.00 - —
90%, 200 mesh, paper bgs., c.l., same basis	ton.	6.25 - —
gilders, bgs. (extra), c.l., works	ton.	11.50 - —
l.c.l., 8-20 tons, works	ton.	12.50 - —
4-8 tons, works	ton.	13.50 - —
2-4 tons, works	ton.	14.50 - —
extra bgs. (extra), c.l., works	ton.	12.50 - —
8-20 tons, works	ton.	13.50 - —
4-8 tons, works	ton.	14.50 - —
2-4 tons, works	ton.	15.50 - —
putty grade, bgs. (extra), c.l., works	ton.	11.00 - —
l.c.l., 8-20 tons, works	ton.	12.00 - —
4-8 tons, works	ton.	13.00 - —
2-4 tons, works	ton.	14.00 - —
water-floated, bgs. (extra), c.l., works	ton.	11.50 - —
l.c.l., 8-20 tons, works	ton.	12.50 - —
4-8 tons, works	ton.	13.50 - —
2-4 tons, works	ton.	14.50 - —
precipitated, bgs., c.l., works	ton.	15.00 - —
l.c.l., 5 tons, works	ton.	20.00 - —
smaller lots, works	ton.	26.00 - —
Wild cherry bark, thick, natural, bls	lb.	.07 - .08
rossed, bls	lb.	.06 - .06
thin, natural, bls	lb.	.07 - .08
rossed, green, bls	lb.	.10 - .11
Wild indigo root, bgs	lb.	.13 - .14
Witch-hazel extract, dist., NF, bbls.	gal.	.40 - .45
leaves, bls	lb.	.07 - .09
Witherite (see Barium carbonate, natural).		
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y.	ton.	24.00 -25.00
80 mesh, same basis	ton.	26.00 -28.00
100 mesh, same basis	ton.	30.00 -32.00
import, 70 mesh, bgs., ex dock, ton.		No prices
80 mesh, bgs., ex dock	ton.	No prices
100 mesh, bgs., ex dock	ton.	No prices
120 mesh, bgs., ex dock	ton.	No prices
Wormseed, American, bgs	lb.	.07 - .08
Levant, bgs	lb.	5.00 - 6.00
Wormwood, bls	lb.	.18 - .20

X

Xylol (xylene), indus., dms., returnable, works	gal.	.32 - —
tanks, E. of Omaha, frt. alld.,	gal.	.27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.27 - —
10°, dms., returnable, works	gal.	.35 - —
tanks, E. of Omaha, frt. alld.	gal.	.30 - —
8°, dms., returnable, works,	gal.	.42 - —
tanks, E. of Omaha, frt. alld.	gal.	.40 - —
3°, dms., returnable, works	gal.	.47 - —
tanks, E. of Omaha, frt. alld.	gal.	.45 - —
Xylidin, mixed, dms	lb.	.35 - .36

Y

Yara yara, cryst., cns	lb.	1.25 - 1.35
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York	lb.	.55 - —
bottles, same basis	lb.	.60 - .64
imp., bbl., same basis	lb.	.55 - —
Cadmium, CP, import., bxs.	lb.	1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld.	lb.	.50 - —
smaller lots, same basis	lb.	.55 - —
kgs., ton lots, same basis	lb.	.56 - —
smaller lots, same basis,	lb.	.60 - —
Sulphide, orange, bbls., works,	lb.	.75 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts	lb.	.13¾- —
open order	lb.	.14¼- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
Dutch, pink, bbls	lb.	.09 - .11
Hansa, bbls., same basis, chrome	lb.	1.37 - —
primrose shade, bbls., same basis, chrome	lb.	1.75 - —
Mercury oxide (see M).		
Ocher, Amer., golden, A, bbls., works	lb.	.06¼- —
B, bbls., works	lb.	.04½- —
C, bbls., works	lb.	.05¾- —
yellow, A, bbls., works	lb.	.02¼- —
B, bbls., works	lb.	.02½- —
C, bbls., works	lb.	.02 - —
D, bbls., works	lb.	.0195- —
E, bbls., works	lb.	.01775- —
F, bbls., works	lb.	.01½- —
yellow, G, bbls., works	lb.	.01¼- —
H, bbls., works	lb.	.01¾- —
Yellow, ocher, French all shades, cks., c.l., ex dock Balto., Boston, N. Orleans, for import	lb.	.02475 Nom.
New York (f.o.b.)	lb.	.02¾ Nom.
Philadelphia for import	lb.	.02¾ Nom.
ex dock, San Pedro, San Francisco	lb.	.0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans	lb.	.02575 Nom.
New York	lb.	.02¾ Nom.
Phila., for import	lb.	.02¾ Nom.
Portland, Seattle	lb.	.03¼ Nom.
San Pedro, S. Francisco	lb.	.03 Nom.
ex whse., Balto., Boston, N. Orleans	lb.	.02725 Nom.
French, ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis	lb.	.03¾ Nom.
New York	lb.	.03 Nom.
Pittsburgh	lb.	.03¼ Nom.
Portland, Seattle	lb.	.03¾ Nom.
San Pedro, S. Francisco	lb.	.03¼ Nom.
f.o.b. N. Y., from dock,	lb.	.02¾ Nom.
from whse	lb.	.03¼ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y.,	lb.	.04½- —
l.c.l., same basis	lb.	.04¾- —
synth., bbls., c.l., works	lb.	.06½- —
l.c.l., same basis	lb.	.06¾- —
Persian orange (See O).		
Zinc, bbls., same basis, chrome CP, contracts	lb.	.18 - —
open order	lb.	.19 - —
Yellow dock root, dom., bls	lb.	.17 - .18
Yellow root (xanthoriza), bls.	lb.	.11 - .13
Yerba santa leaves, bls	lb.	.09 - .10
Yohimbine hydrochloride, via.	oz.	2.85 - 4.00

Z

Zein, bgs., 1,000 lbs. or more, works	lb.	.20 - —
less than 1,000 lbs., works	lb.	.25 - —
Zinc acetate, tech., bbls., works,	lb.	.15 - .16
USP, bbls., 250 lbs	lb.	.27 - —
kgs., 100 lbs	lb.	.29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies	lb.	.12 - —
l.c.l., bags	lb.	.12½- —
Zinc arsenite prices are on a frt. alld. basis to dest, in lots of 96 lbs. or over.		
Carbonate, tech., bbls	lb.	.14 - .16
USP, precip., powd., bbls.	lb.	.32½- —
25 lb. dms	lb.	.37½- —
kgs.	lb.	.34½- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	4.25 - —
l.c.l., works	100 lbs.	4.60 - —
gran., dms., c.l., works,	100 lbs.	5.00 - —
USP, 200-lb. dms	lb.	.25 - —
25-lb. jars	lb.	.31 - —
solution, 50%, dms., c.l., works	lb.	.0290- —
l.c.l., works	lb.	.04 - .04½
tanks, works	lb.	.0225- —
Cyanide, kgs., works	lb.	.33 - —
Dust, bbls., c.l., dlvd	lb.	.07¾- —
l.c.l., bbls., dlvd	lb.	.08½- —
Iodide, N.F., bots	lb.	4.35 - —
jars	lb.	4.20 - —
Fluoride, bbls	lb.	.20 - .25
Metal (see daily quotations in Market report).		
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd.	lb.	.06¼- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- .07¾
bgs., l.c.l., ex whse., Pac. cst	lb.	.06¼- .07¾
bbls., c.l., dlvd	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cts.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
Leaded, 5%, bgs., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
35%, c.l., dlvd.	lb.	.06 - —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06¼- —
85%, bbls., c.l., dlvd	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06½- —
bgs., l.c.l., ex whse., Pac. cst.	lb.	.06½- —
50%, bgs., c.l., dlvd., except Pac. Coast	lb.	.0606- —
dlvd., Pac. cst.	lb.	.0612- —
l.c.l., dlvd., except Pac. cst.	lb.	.0631- —
bgs., ex whse., Pac. cst.	lb.	.0637- —
bbls., c.l., dlvd	lb.	.0637- —
l.c.l., ex whse., Pac. Cst.	lb.	.0662- —
French process, com'l, lead free, bgs., c.l., dlvd.,	lb.	.06¼- .07¼
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- .07¾
ex whse., Pac. cst.	lb.	.06¼- .07¾
bbls., c.l., dlvd	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.,	lb.	.06¾- .08
green seal, bgs., c.l., dlvd.,	lb.	.08 - —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
bbls., c.l., dlvd	lb.	.08¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
red seal, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd., except Pac. cst.	lb.	.07¾- —
ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l., dlvd	lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
white seal, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾- —
ex whse., Pac. cst.	lb.	.08¾- —
bbls., c.l., dlvd	lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
imported, gold seal, cks., ex whse.	lb.	.13 - .14
green seal, bbls., ex whse.,	lb.	.10 - —
white seal, cks., ex whse.,	lb.	.11 - .12¼
USP, bbls., c.l.	lb.	.09½- —
Palmitate, bbls	lb.	.24½- .27½
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.23 - —
l.c.l., 1 ton	lb.	.24 - —
1,000-2,000 lbs	lb.	.25 - —
less than 1,000 lbs	lb.	.26 - —
USP, bbls	lb.	.24 - .36
Sulphate, cryst., bgs., c.l.	100 lbs.	2.75 - —
l.c.l.	100 lbs.	3.50 - —
bbls., c.l.	100 lbs.	2.90 - —
l.c.l.	100 lbs.	3.65 - —
flake, bgs., c.l.	100 lbs.	3.10 - —
l.c.l.	100 lbs.	3.85 - —
bbls., c.l.	100 lbs.	3.25 - —
l.c.l.	100 lbs.	4.00 - —
powd., bgs., c.l.	100 lbs.	4.35 - —
l.c.l.	100 lbs.	5.10 - —
bbls., c.l.	100 lbs.	4.50 - —
l.c.l.	100 lbs.	5.25 - —
Sulphide, bgs., c.l., (20 tons), dlvd.	lb.	.07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd.	lb.	.07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.08 - —
barium, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05¼- —
calcium pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05¼- —
magnesium, pigment, bgs., c.l., dlvd.	lb.	.05¼- —
l.c.l., dlvd. E. or ex whse. Pac. Cst.	lb.	.05½- —
Sulphocarbolate, NF, bbls.	lb.	.34 - .36
Zinc-ammonia chloride, dms., c.l., works	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd., except Pac. cst.	lb.	.05½- —
ex whse., Pac. cst.	lb.	.05½- —
Zirconium nitrate, kgs., works	lb.	3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works	ton.	75.00 -100.00
white, 98%, grd., kgs., works,	lb.	1.90 - 2.00

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the May 6 issue; the next printing will be in the June 3 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials Market, which begins on page 49.

U.S. Revenue Returns Show Increase in March

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for March, 1940, compared with March, 1939, as follows:—

Taxes Collected

	March 1940.	March 1939.
Coconut, etc., oils processed	$1,578,331.03	$2,365,218.05
Distilled spirits, domestic, excise tax $2.25 per gallon	24,504,335.86	23,277,595.53
Distilled spirits, imported, excise tax $2.25 per gallon	1,618,129.27	1,667,268.09
Gasoline	14,909,663.67	14,577,872.99
Lubricating oils	2,074,041.54	2,169,636.76
Matches	20,795.26	1,054.03
Narcotics, including special taxes	30,133.91	34,430.46
Oleomargarin excise taxes	69,261.22	72,204.05
Oleomargarin special taxes	10,635.51	10,601.72
Toilet preparations	564,874.98	692,464.74
Transportation of oil by pipeline	1,032,149.42	968,041.34
Total internal revenue	$861,167,802.14	$691,400,747.16

Quantities Taxed

	March 1940.	March 1939.
Distilled spirits, domestic, tax gallons	10,412,688	10,502,271
Distilled spirits, imported, tax gallons	788,959	819,458
Distilled spirits, rectified, proof gallons	2,860,520	3,107,255
Oleomargarin, colored, pounds	24,468	29,434
Oleomargarin, uncolored	26,565,368	27,698,420

Sherwin-Williams, Cleveland, has announced that 4,950 shares of 5 percent cumulative preferred stock, series AAA, par $100, has been drawn for redemption on June 1, 1940, at $105 a share plus accrued dividends from holders of record April 30, 1940.

Foreign Trade Openings

Correspondence in regard to any of the following trade openings should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, D. C., or to any district office or cooperative office of the bureau, and not to this publication. When writing give the number of the item:—

Soda, Caustic:—Alexandria, Egypt; agency (7111).

Soda Sulphide:—Oporto, Portugal; purchase (7019).

Sulphuric Acid:—Alexandria, Egypt; agency (7111).

Sulphuric Acid:—Karabuk, Turkey; purchase (7121).

Tanning Materials:—Budapest, Hungary; purchase and agency (7085).

Toilet Preparations:—Johannesburg, South Africa (7011).

Trichlorethylene:—Tangier, Morocco; purchase (7064).

Turpentine:—Budapest, Hungary; purchase and agency (7085).

Turpentine:—Alexandria, Egypt; agency (7050).

New Paint Stirrers Described

A new reversing stirrer that gives greater speeds and increased turbulence is one of several items of current interest to the paint industry that are described in the April *Witcombings*. An explosion-proof vibrator and a varnish thermometer that is said to be three times easier to read are also set forth in detail in this issue. Twelve other significant new developments in paint manufacturing are discussed in this bimonthly magazine, which is published by Wishnick-Tumpeer, Inc., manufacturer and exporter of pigments, oils, asphalts and chemicals. Copies of the magazine and information on the stirrers will be sent without charge by writing to the home office of Wishnick-Tumpeer, Inc., 295 Madison avenue, New York, mentioning the REPORTER.

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

NEW YORK JOBBING and importing firm established over twenty years is interested in securing new connections for the sale of raw materials, by-products or chemical specialties. BOX 856, Oil, Paint and Drug Reporter.

ESTABLISHED FIRM would be interested in selling oils, pigments or chemical specialties in the State of Ohio. BOX 866, Oil, Paint and Drug Reporter.

Agents Wanted

PROGRESSIVE PHARMACEUTICAL - biological house wishes to engage the services of trained agents for east, middle west and southern territories. Sell to manufacturers—laboratories only. Will make workable plan with experienced men. BOX 870, Oil, Paint and Drug Reporter.

MANUFACTURERS REPRESENTATIVES wanted. Sales representatives familiar with alcohol and solvents used in paint, oil and varnish trades wanted for Buffalo, St. Louis, Cincinnati, Pittsburgh and Louisville. State full particulars in first letter. BOX 869, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

NEW JAR mills, one and four gallons; used 50 gal. porcelain lined pebble mill; 6 cu. ft. sifter and mixer; 110 cu. ft. dry power mixer; 2 rotex sifters. Lawler Engineering Company, Durham avenue and L. V. R.R., Metuchen, N. J.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. BOX 857, Oil, Paint and Drug Reporter.

Factories Offered

PAINT FACTORY—three story brick and steel, office and yard. 40 by 100 irregular, 175 Beard street, Brooklyn, near new Battery tunnel. Assessed $11,000; no reasonable offer refused. Brokers protected. Haffner, 17 State street, New York.

FIREPROOF FACTORY—one story, 75 by 100, concrete floor, 20-foot headroom, live steam available 24 hours per day, railroad siding. Unrestricted district in Brooklyn. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

Manufacturing Wanted

OLD, WELL-ESTABLISHED, financially strong company is interested in expanding its manufacture of bulk materials used by the pharmaceutical, food and allied manufacturers. Such items may be in chemicals, in food ingredients, or products for technical use. The company possesses extensive manufacturing facilities and has capable technicians in its employ. It invites a response from chemists and other scientific men. Either employment, royalty basis, or purchase will be discussed where processes exist, based upon actual plant experience. Address replies in confidence to BOX 798, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE—10 tons per month beryl; 1,000 pounds pitchblende; 100 tons ground mica; 50 tons vanadium concentrate; 5 tons tantalite; 50 tons rutile; 1,000 tons barytes; 25 tons strontianite; 1,000 pounds calcium sulphide luminescent. BOX 867, Oil, Paint and Drug Reporter.

Materials Offered

WE OFFER exceptionally high-grade pure diatomaceous earth, 92 to 96% pure silica for insulation and admixture purposes. Large deposit. Samples on request. Immediate and future deliveries. Quincy Diatom Co., N. 1327 Cedar street, Spokane, Wash.

LEATHER CHEMICALS, manufacturers and distributors of chemical specialties for all kinds of upper leathers. May we quote you on your requirements? BOX 863, Oil, Paint and Drug Reporter.

Plants Offered

MILLING PLANT, specially adapted for the milling of rotenone bearing roots. Large roller mill, auxiliary equipment, electric motors. Ready to operate. Capacity over 700 pounds barbasco per hour 200 mesh. Present contracts $15,000. Very attractive proposition. Interested principals only. BOX 868, Oil, Paint and Drug Reporter.

Positions Vacant

SALESMEN to sell 5 shades of permanent green paint at exceptionally attractive price. U. S. Color Co., 28th-Sisson street, Baltimore, Md.

PROGRESSIVE Philadelphia printing ink concern desires to secure a first-class color matcher and ink formulator from base inks; wonderful opportunity for right man; past experience and employment required. BOX 860, Oil, Paint and Drug Reporter.

Positions Wanted

SALESMAN thoroughly experienced selling diversified lines of industrial chemicals, agricultural chemicals, oils, solvents, pigments, chemical specialties, raw materials with clientele in eastern, midwestern, southern territory now open for position. BOX 864, Oil, Paint and Drug Reporter.

Positions Wanted

EXECUTIVE'S ASSISTANT desires position with drug, chemical, pharmaceutical, allied trades concern. Thoroughly experienced buying, selling, domestic, import, export. Can take charge. Salary secondary to opportunity prove worth. BOX 842, Oil, Paint and Drug Reporter.

GRADUATE CHEMIST with one year post-graduate work; a number of years of experience in research, development, and production. Experienced in the production of protein derivatives. Excellent record, references. BOX 849, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, 300 Madison avenue, New York City.

Surplus Stock

HIGHER MARKETS—Sell now. Wanted—surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

CHECK INVENTORIES! We purchase any quantity surplus chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250. Barclay Chemical Company, Inc., 75 Varick street, New York.

2—Devine 5 ft. x 33 ft. Rotary Vacuum Dryers.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2650 gal.
7—3-roll Roller Mills, up to 16 x 40.
12—Vacuum Shelf Dryers, all sizes.
12—Ball Mills, 10 gal. to 500 gal.
1—9 ft. Copper Vacuum Coil Pan
1—Laboratory Mikro Pulverizer
Many other attractive bargains.

SPECIALS
2—Nickel Vacuum Stills, 300 gal., with motor driven agitators.
1—Proctor & Schwartz 3-truck Dryer, 720 sq. ft. heating surface.
1—Zaremba Triple effect Evaporator, 2100 sq. ft. per effect.
1—Louisville 5 ft. x 20 ft. Steam Tube Dryer.
1—5 ft. x 22 in. Hardinge Conical Ball Mill.
Send for illustrated bulletin.

LIQUIDATING
Very modern plant of
AMERICAN SOYA PRODUCTS CO.
Evansville, Ind.
1,000,000 bbl. Cement Plant
CASTALIA PORTLAND CEMENT CO.
Castalia, Ohio
Send for illustrated bulletins listing the equipment in these plants.
Representative on premises. Arrange to inspect.

IMPORTANT
Idle machinery ties up capital—takes up valuable space—and depreciates rapidly—turn yours into cash NOW! We want to buy Filter Presses, Kettles, Mixers, Dryers, Pulverizers, Grinders, etc.

Consolidated Products Co., Inc.
13-18 Park Row :: :: New York, N.Y.
SHOPS 335 Doremus Ave., Newark, N.J.

GUARANTEED
NEW AND REBUILT EQUIPMENT
FOR THE CHEMICAL AND PROCESS INDUSTRIES
FIRST
MACHINERY CORP.
FMC
9th St. & EAST RIVER DRIVE
NEW YORK CITY

Bids Wanted

Acetone:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Acetylene:—250,000 cubic feet; Commanding Officer, Rock Island Arsenal, Ill.; procurement 949, opening May 15.

Acid, Mixed:—20,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 1470, opening May 17.

Alcohol, Ethyl:—10,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Aluminum Powder:—2,000 pounds; Commanding Officer, Benicia Arsenal, Cal.; procurement 63, opening May 22.

Ammonia, Anhydrous, Liq.: — 15,000 pounds;; Commanding Officer, Rock Island Arsenal, Ill.; procurement 951, opening May 15.

Ammonium Phosphate: — 2,000 pounds; Chief, Regional Service Operations Div., Department of Agriculture, Soil Conservation Service, Albuquerque, N. M., procurement requisition 999, opening May 20.

Creosote Oil:—10,000 gallons; General Purchasing Officer, Panama Canal, Washington, schedule 4030, opening May 16.

Drugs:—105 items; Commanding Officer, St. Louis Medical Depot; procurement 29, opening May 16.

Hexachlorethane:—12,000 pounds; Commanding Officer, Edgewood Arsenal, Md.; procurement 869, opening May 15.

Insulation Cement:—900 gallons; Supply Officer, Navy Yard, Philadelphia, Pa.; requisition 10799-NSA opening May 16.

Iron Hydrate Oxide Pigment:—3,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Lampblack:—3,000 pounds;—General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Kerosene:—16,000 gallons; Commanding Officer, Rock Island Arsenal, Ill.; procurement 944, opening May 15.

Lead, Dry Red:—10,000 pounds; Commanding Officer, Benicia Arsenal, Cal.; procurement 63, opening May 22.

Linseed Oil:—91,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Lead, White:—200,000 pounds; General Purchasing Officer, Panama Canal, Washington 4030, opening May 16.

Magnesium:—12,000 pounds for Brooklyn; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 1583, opening May 17.

Manganese Linoleate:—4,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Metallic Brown Pigment:—10,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Naphthalene, Flake:—20,000 pounds; Quartermaster Depot, Twenty-first and Johnston streets, Philadelphia; procurement 699-311, opening May 22.

Oxygen:—500,000 cubic feet; Commanding Officer, Rock Island Arsenal, Ill.; procurement 950, opening May 15.

Paint:—5,000 gallons of interior; Purchasing & Contracting Officer, Medical Section, Army Base, Brooklyn; procurement 143, opening May 20.

Para Red Pigment:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Paris Green:—5,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Petroleum Naphtha:—40,000 gallons; Commanding Officer, Rock Island Arsenal, Ill.; procurement 944, opening May 15.

Putty:—10,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Rosin:—10,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Rust Preventive Comp.:—2,025 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-348, opening May 16.

Shellac, Orange:—20,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4030, opening May 16.

Soap, Laundry:—3,000 pounds; U. S. Engineer Office, P. O. Box 4970, Jacksonville, Fla.; procurement 567, opening May 15.

Powdered:—6,000 pounds; Chief Clerk, Federal Detention Headquarters, New Orleans, La.; procurement 828, opening May 16.

Soft:—263,000 pounds; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, Ohio; procurement 1500, opening May 21.

Toilet:—10,000 cakes; Contracting Officer, Q. M. Corps, Jeffersonville, Ind.; procurement 431-214, opening May 16.

Soda, Caustic:—20,000 13-ounce cans; Contracting Officer, Q. M. Corps, Jeffersonville, Ind.; procurement 431-214, opening May 16.

Sodium Phosphate, Tribasic: — 20,000 pounds; Contracting Officer, Q. M. Corps, Jeffersonville, Ind.; procurement 431-214, opening May 16.

Titanium Calcium Pigment: — 20,000 pounds; Procurement Div., Treasury Dept., Washington, D. C.; procurement 23385-SP5; opening May 16.

Tooth Powder:—144 pounds; Asst. Director, Bu. of Prisons, Dept. of Justice, Washington, D. C.; schedule 2430, opening May 15.

Petroleum Chemical Research Influence on Industry Shown

The story of chemicals from petroleum and the subsequent synthesis of a host of useful articles from such chemicals, is interestingly told in one of the articles in the April issue of *Shell Progress*, attractive houseorgan of the Shell Oil Company. Glycerin and plastics are but two of the products described. The organ also contains several other informative articles. Copies of the issue may be obtained by addressing the Shell Oil Company, 50 West 50th street, New York, N. Y., mentioning the REPORTER.

Crown Drug Company, Kansas City, April sales amounted to $749,913, against $784,614 in April last year.

Index to Advertisements

Advance Solvents & Chemical Corp... —
Agicide Labs, Inc... 72
Alexander, Jerome... 64
Allied Asphalt & Mineral Corp... 52
American Agricultural Chem Co... 1
American-British Chem Supplies, Inc. —
American Can Co... —
Amer. Cyanamid & Chem Corp... 22, 23
American Firstoline Corporation... 57
American Flange & Mfg. Co., Inc... —
American Potash & Chemical Corp... 57
American Turpentine Farmers Assoc. Cooperative ... —
Anderson Prichard Oil Corp... —
Angus, W. W., Inc... —
Ansbacher Siegle Corp... 50
Apex Chemical Co., Inc... 58
Association of Consulting Chemists and Chemical Engineers, Inc... 64
Atlantic Coast Fisheries Corp. of N. Y. 57
Atlantic Refining Co... 63
Ayrton Chemical Co... —

Baker, J. T., Chemical Co... 1
Barium & Chemicals, Inc... 28
Barium Reduction Corp... 27
Barrett Company... 44, 65
Benzol Products Co... —
Binney & Smith Co... 51
Boone, Paul D... 64
Bradley, A. J., Mfg. Co... 52
Brighton Copper Works... 58
Brill Equipment Corp... —
Brode Corp., The... 54
Bromund, E. A., Co... —
Brown, Leland, Laboratories... 64
Bureau of Chemistry... 64
Burke, Edw. S... —
Bush, W. J., & Co., Inc... —

Calco Chemical Div... —
Calif. Fruit Growers Exchange... 17, 71
Calvert, Robert... 64
Capital City Products Co... —
Carbide & Carbon Chemicals Corp... 2
Carey, The Philip, Co... —
Chaplain & Bibbo, Inc... 57
Chemical Solvents, C. P., Inc... 72
Chilean Nitrate Sales Corp... —
Church & Dwight Co... 27
Climax Molybdenum Co... —
Colgate-Palmolive-Peet Co... 57
Colledge, E. W., General Sales Agent... —
Colton, Arthur, Co... 58
Columbia Alkali Corp... 20
Commercial Solvents Corp... 42
Companhia Anilinas E Productos Chimicos Do Brasil... —
Consolidated Products Co., Inc... 70
Consumers Import Co., Inc... 43
Continental Carbon Co... —
Corn Products Refining Co... —
Cowles Detergent Co... —
Crown Can Co... —
Darling & Co... —
Dewey & Almy Chemical Co... —
Diamond Alkali Co... 29
Dickhart, W. H... 64
Dodge & Olcott Co... 40
Doggett, Stanley, Inc... —
Douglass Sulphur Co... 28
Dow Chemical Co... —
Dunkel, Paul A., & Co., Inc... 59
DuPont de Nemours, E. I. & Co., Inc. 30
Durez Plastics & Chemicals, Inc... —

Eastman Kodak Co... —
Ehrlich, J... 64
Electrical Testing Laboratories... 64
Electro Bleaching Gas Co... —
Ellis-Foster Co... 64
Emery Industries, Inc... 53

Fairmount Chemical Co... —
Felton Chemical Co... —
Fezandie & Sperrle... 33
First Machinery Corp... 70
Food Research Laboratories, Inc... 64
France, Campbell & Darling, Inc... 60
Frank-Vliet Co., Inc... —
Franks Chemical Products Co... —
Freeport Sulphur Co... 66
Fritzsche Bros., Inc... 60, 63
Fulton Bag & Cotton Mills... —

Gane & Ingram, Inc... 8
General Chemical Co... —
General Drug Co... 60
General Dyestuff Corp... —
General Electric Co... —
General Petroleum Corp... —
Gesell, R., Co., Inc... —
Givaudan-Delawanna, Inc... —
Glycerine Producers Assn... —
Glyco Products Co., Inc... —
Gray, William S., & Co... 1
Gray Industrial Laboratories... 64
Greeff, R. W., & Co... 49
Gross, A., & Co... 54
Gruman, J. B., Co... 68

Hammond, W. A., Drierite Co... 52
Hardesty, W. C., Co., Inc... —
Harshaw Chemical Co... —
Heekin Can Co... 55
Heyden Chemical Corp... 56
Hilton-Davis Chemical Co... 52
Holt, C. J., & Co., Inc... 64
Hooker Electrochemical Co... 30
Hopkins, J. L., & Co... 59
Huisking, Chas. L., & Co., Inc... 72
Hutchinson, D. W., & Co., Inc... 61

Imperial Oil & Gas Products Co... —
Imperial Paper & Color Corp... 51
Independent Mfg. Co... —
Industrial Consulting Labs., Inc... 64
Innis, Speiden & Co... —
International Pulp Co... —
International Selling Corp... 28
Irvington Smelting & Refining Wks... 27

Jackle, Frank R... —
Jungmann & Co., Inc... —

Kachurin Drug Co... 59
Kelco Co... —
Kentucky Color & Chemical Co... 52
Knight, B. H... 64
Koppers Co... 45
Krebs Pigment & Color Corp... —

Laning, E. M., Co... 64
LaWall & Harrisson... 64
Leghorn Trading Co... 57
Lemke, B. L... 72
Leonhard, Theodor, Wax Co., Inc... —
Luaces, E. L., & Associates... 64
Lueders, George, & Co... 61

Magnetic Pigment Co... 51
Magnus, Mabee & Reynard, Inc... 61
Mallinckrodt Chemical Works... 6
Mantrose Corp... —
Maschmeijer, Jr., A., Inc... 8
Mathieson Alkali Works, Inc... —
McKesson & Robbins, Inc... —
Merck & Co., Inc... 36, 37
Metallo-Chemical Corp... 57
Metasap Chemical Co... 50
Meyer, Herman, Drug Co., Inc... —
Miel, George A... 64
Mills, Zophar, Inc... —
Minnesota Specialty Co., Inc... —
Molnar Laboratories... 64
Monsanto Chemical Co... 41
Munch, James C... 64
Mutual Chemical Co. of America... 33

National Aniline & Chemical Co., Inc. 47
National Box & Lumber Co... 28
National Carbon Co., Inc... 48
National Lead Company... —
National Milk Sugar Co... —
National Rosin Oil & Size Co... 51
Natural Products Refining Co... 33
Neuberg Chemical Corp... 15
Neville Co... 46
New Jersey Zinc Co... —
Newport Industries, Inc... —
N. Y. Quinine & Chemical Works, Inc. 34
Niacet Chemicals Corp... 33
Niagara Alkali Corp... 26
Oldbury Electro-Chemical Co... 28
Orbis Products Corp... 62
Orthmann Laboratories, Inc... 64
Osborn, C. J., Co... 51
Owens-Illinois Glass Co... —

Pacific Coast Borax Co... 1
Pacific Vegetable Oil Corp... —
Paramet Chemical Corp... 49
Parsons, M. W... 51
Paul, Edw. P., & Co., Inc... —
Penick, S. B., & Co... 58
Pennsylvania Coal Products Co... —
Pennsylvania Oil Products Refining Company ... 72
Pennsylvania Refining Co... 62
Pfaltz & Bauer, Inc... 30
Pfizer, Chas., & Co., Inc... 25
Phelps Dodge Refining Co... 28
Philadelphia Quartz Co... —
Philipp Brothers, Inc... —
Polachek, Z. H... 64
Potash Co. of America... 65
Pressed Steel Tank Co... —
Prior Chemical Corp... 1
Procter & Gamble... 53, 57
Publicker Commercial Alcohol Co... —
Purdy, W. S., Co., Inc... 64
Pure Calcium Products Division... 1

Raisch, John E., & Co... 64
Reed-Blair Laboratories ... 64
Reichhold Chemicals, Inc... 13
Reklamefondet for Norsk Medicintran —
Republic Steel Corp... 46
Rheem Mfg. Co... 54
Rosenthal, H. H., Co., Inc... —
Rufert Chemical Co... 63

Sadtler, Samuel P., & Sons, Inc... 64
St. Joseph Lead Co... —
Schellings, C. J., & Co... 58
Schofield-Donald Co., Inc... 40
Schuylkill Chemical Co... 57
Schwarz Laboratories, Inc... 64
Seil, Putt & Rusby, Inc... 64
Skelly Oil Co... 19
Sloman, Ira I... 64
Smith, Kline & French Labs... —
Snell, Foster D., Inc... 64
Shell Oil Co... —
Sherwood Petroleum Co., Inc... 63
Sidlee Laboratories... 64
Socony-Vacuum Oil Co., Inc... —
Solvay Sales Corp... 21
Sonneborn, L., Sons, Inc... 72
Standard Brands, Inc... —
Standard Oil Co. of Calif... —
Standard Synthetics, Inc... 61
Standard Ultramarine Co... 52
Stauffer Chemical Co... 27
Stillman & Van Siclen, Inc... 64
Stillwell & Gladding... 64
Stroock & Wittenberg Corp... 52
Sun Oil Co... —

Taintor Trading Co., Inc... —
Tamms Silica Co... —
Tar & Chemical Div. of Koppers Co... 45
Tennessee Corp... —
Texas Gulf Sulphur Co., Inc... —
Thornton, The F. C., Co., Inc... —
Thurston & Braidich... 72
Titanium Pigment Corp... —
Todd, A. M., & Co... 61
Tombarel Products Corp... 61
Turner, Joseph, & Co... 27, 39

Union Carbide & Carbon Corp... 2, 48
U. S. Industrial Chemicals, Inc... 48
United States Potash Co... 65
Vanderbilt, R. T., Co., Inc... —
Victor Chemical Works... 28
Viking Distributing Co... —
Vitro Manufacturing Co... 52
Vorce, L. D... 64

Wah Chang Trading Corp... 54
Warner Chemical Co... —
Wecoline Products, Inc... 53
Weiss & Downs, Inc... 64
Wet Ground Mica Ass'n, Inc... 50
Wheeling Corrugating Co... 38
White Tar Co. of N. J... 45
Wiley & Co., Inc... 64
Will & Baumer Candle Co., Inc... 55
Williams, C. K., & Co... —
Wishnick-Tumpeer, Inc... 11
Woburn Degreasing Co. of N. J... 54
Wolf, Jacques, & Co... —
Wood Preserving Corp... 45
Wood Ridge Div... —
Zophar Mills, Inc... —

DODGE & OLCOTT COMPANY • **FRITZSCHE BROTHERS, INC.**
180 Varick Street, New York, N. Y. 76 Ninth Avenue, New York, N. Y.

Distributors for: CALIFORNIA FRUIT GROWERS EXCHANGE • Products Department, Ontario, California
Producing Plant: The Exchange Orange Products Company, Ontario, California

Copyright, 1940, California Fruit Growers Exchange, Products Dept.

"SERRASOL" PROPRIETARY SOLVENT
QUALITY SERVICE PRICE
CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

WHITE OIL and PETROLATUM
FOR ALL PHARMACEUTICAL, COSMETIC and INDUSTRIAL PURPOSES
L. SONNEBORN SONS, INC.
Refiners of White Oil and Petrolatum — Refineries: Petrolia and Franklin, Pa.
New York 88 Lexington Avenue
Los Angeles 215 West 5th Street
Chicago 400 West Madison Street
Southwestern Distributors: Sonneborn Bros., 2111 Taylor St., Dallas, Tex.

• SAPONIN •
Available for prompt delivery from New York stocks
B. L. LEMKE — FINE AND RARE CHEMICALS
74 VARICK ST. Telephone WAlker 5-9870-1 NEW YORK, N. Y.

Vanilla Beans—Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

New CONCENTRATE FOR
ROTENONE INSECTICIDE
Your dust insecticide will be more effective if it is made with Agicide Concentrate. By depositing Rotenone, fortified with other compounds, on the particles of Walnut Shell Flour, we have multiplied the killing contacts with insects. Ask for Bulletin on Dust Concentrate.
More Kills per Pound
AGICIDE
AGICIDE LABORATORIES INC.
4666 NORTH TEUTONIA
MILWAUKEE, WISCONSIN

Established 1910
HUISKING
IMPORTERS AND EXPORTERS
DRUGS, CHEMICALS, OILS, RAW MATERIALS, Etc.
CAMPHOR, U. S. P., Domestic, Japanese
MENTHOL CRYSTALS, U. S. P.
FINE CHEMICALS
GUMS
Arabic, Olibanum, Shellac, Tragacanth
Alkaloids Santonine Spermaceti
Naphthalene Cocoa Butter, U. S. P.
CHAS. L. HUISKING & CO., INC.
155 VARICK STREET NEW YORK, N. Y.
CHICAGO BRANCH: 561 E. ILLINOIS STREET

AMERICAN ELDROL
WHITE MINERAL OILS U.S.P. AND TECHNICAL PETROLATUMS
PETROLATUMS U. S. P.
Extra White
Snow White
Lily White
Cream White
Golden Amber
Extra Light Amber
Light Amber
Amber
U. S. P. and TECHNICAL WHITE OILS
All products are guaranteed as to quality and uniformity. Specific information and experimental samples furnished on inquiry.
PENNSYLVANIA OIL PRODUCTS REFINING COMPANY
WARREN PENNSYLVANIA

LIBRARY OF CONGRESS
WASHINGTON 25, D. C.
FOR COPYRIGHT PURPOSES